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URBAN DATA BOOK
Volume I: Urban Data
Atlanta - Miami

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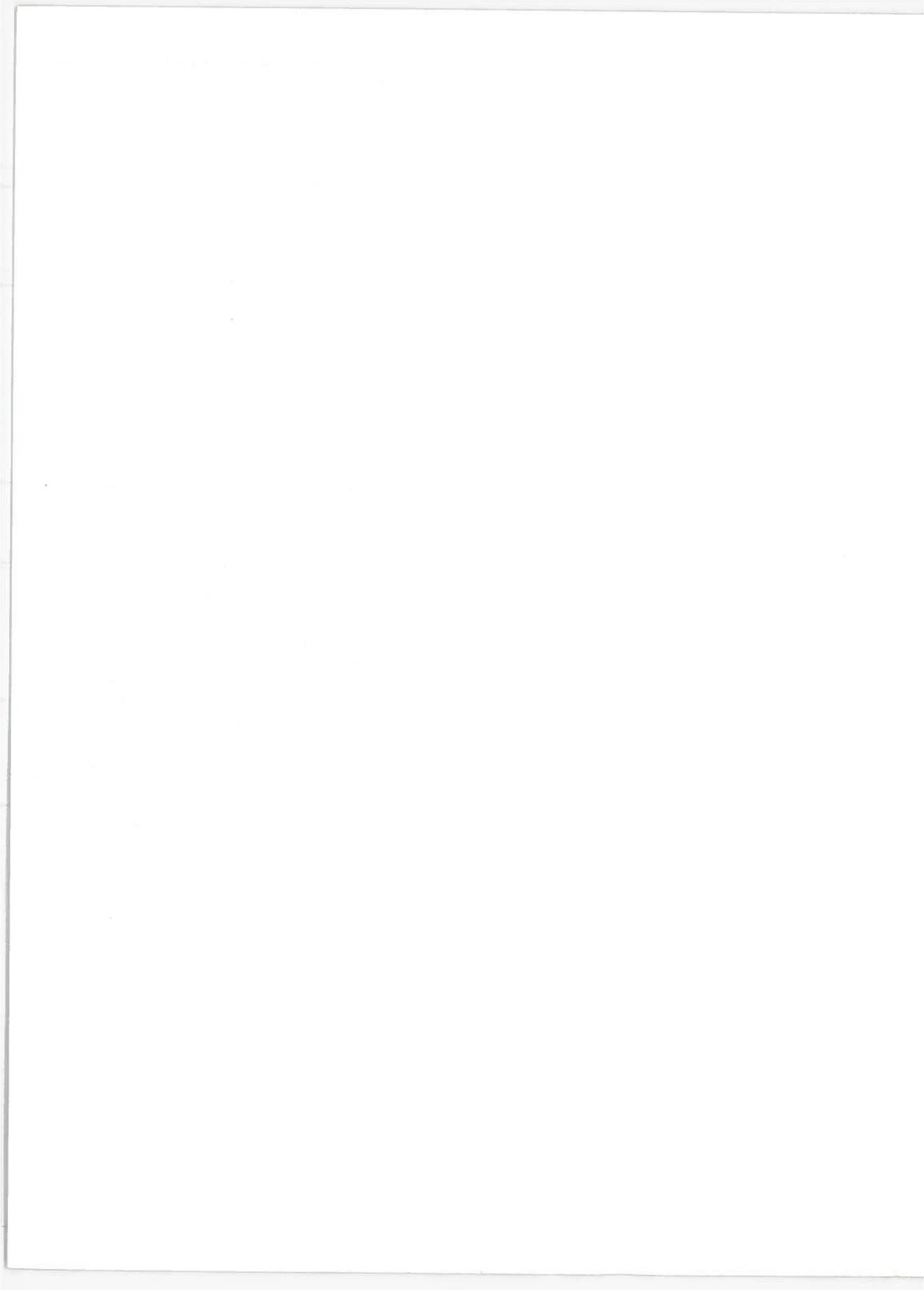
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16. Abstract A quick reference compilation of certain population, socio-economic, employment, and modal split characteristics of the 35 largest Standard Metropolitan Statistical Areas (SMSA) in the United States is presented. The three basic groups of urban data presented are population, socio-economic, and employment. The population data include population totals and densities for the various segments of each of the individual SMSA's (CBD, Central City, Urbanized Area, and SMSA). Also included are population totals by concentric urban rings and population density plots (dot, contour, and isometric views). The urban ring data combined with the population density plots can be used for identifying existing urban corridors. The socio-economic data compiled by concentric urban rings include: median female and male age, proportion of population 65 years and older, median family income, number of households and families, number of home-owners and renters, average home value and average rent paid, and auto ownership. The employment data found in this report include: home-to-work flows, employment and worker densities, and a modal split distribution for each of the 35 SMSA's Volume I includes introductory material and the urban data, arranged alphabetically, for the SMSA's Atlanta-Miami. Volume II includes data for the remaining SMSA's, Milwaukee-Washington, technical notes on individual tables and figures contained in both volumes, and two appendixes: Appendix A, a glossary of terms and concepts; and Appendix B, sample calculations which explain how the journey to work data were calculated.			
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PREFACE

The use of various categories of urban census data in transportation planning is becoming widespread at the local, state, and national levels; several different census volumes and assorted publications have hitherto been required. This report, performed at the request of Russell McFarland, TST-45, under the general support of the Office of the Secretary/TST, provides a quick reference compilation of useful data for 35 of the largest U.S. SMSA's.

Basically, this report is a synthesis of the urban data produced as output of several studies performed over the period 1974-1975. The urban ring data and the density plots are an outgrowth of the Rapid Rail-Exclusive Bus Study developed for UMTA's Capital Grants Criteria Project (UM-426) and DOT/OST's Tunneling Support Program (OS-533). The journey-to-work data are also an outgrowth of UMTA's Capital Grants Criteria Project (UM-426).

The overall synthesis and documentation of this report were performed by L. Bronitsky and S. Schiff of the Systems Applications Division, Office of Systems Research and Analysis, Transportation Systems Center (TSC), Office of the Secretary, U.S. Department of Transportation (DOT).

The socio-economic ring data were compiled under the guidance of L. Bronitsky of TSC. The journey-to-work data were compiled by M. Costello of the Division of Transportation Information, Office of the Assistant Secretary for Policy, Plans, and International Affairs, Office of the Secretary, U.S. DOT. The population density plots were assembled under the direction of C. Haaland of the Civil Defense Research Section, Health Physics Division, Oak Ridge National Laboratory (ORNL).

In addition, the authors gratefully acknowledge the assistance and suggestions of P. Benjamin of the Division of Technical Coordination and Support, Office of Capital Assistance, Urban Mass Transportation Administration, U.S. DOT; and the computer work provided by H. Eskowitz of the Systems Application Division, TSC.

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1. INTRODUCTION

This report is intended to provide a quick reference source for transportation planners, engineers, economists, and others who need basic urban data on the largest Standard Metropolitan Statistical Areas (SMSA's). The basic source of information for all parts of this report are the publications of the U.S. Department of Commerce, Bureau of the Census — 1970 Census of the Population. The specific data elements contained in the report are as follows:*

1. Population Data

- a. Population by SMSA, Urbanized Area (U.A.), Central City (C.C.), and Central Business District (CBD)
- b. Population densities by SMSA, U.A., C.C., and CBD
- c. Population by concentric rings (11 rings at 1 to 2 mile intervals from the city center out to 20 miles)
- d. Population density plots (dot, contour, and isometric views)

2. Socio-Economic Data

- a. Median male and female ages, and the percentage of the total ring population, 65 years and older, by concentric rings
- b. Mean and median family income by concentric rings
- c. Number of households and average household size by concentric rings
- d. Number of families and average family size by concentric rings
- e. Number of renters, and average and median rent paid by concentric rings

*See Glossary (Appendix A) for definitions of geographic terms used in this report.

- f. Number of home owners, and average and median value of homes by concentric rings
 - g. Auto ownership by concentric rings
3. Employment Data
- a. Home-to-work flows
 - b. Employment density by SMSA, U.A., C.C., CBD, etc.
 - c. Worker density by SMSA, U.A., C.C., etc.
 - d. Distribution of work trips by mode

The breakdown of the population and socio-economic data into concentric rings is useful from the standpoint of examining an area's current and future transportation needs. Secondly, using these ring data in conjunction with patterns of journey-to-work trips is important, since the journey-to-work data are a major determinant of the nature and extent of an area's public transportation system. Thirdly, the above data can be used for examining the potential impacts of new modes of transportation on an urban area, or identifying any existing travel corridors. Finally, the standardization of urban characteristics by concentric ring format is useful for intercity comparisons.*

The data for each of the 35 SMSA's, presented in Section 3 of this report, are broken down into three distinctive parts. The first table for each SMSA includes population and socio-economic data by concentric rings. The second table presents journey-to-work data, including home-to-work flows and the work trip modal split by geographic area (SMSA, U.A., C.C., etc.). The last part contains 10 population density plots of the major city or cities in each of the 35 SMSA's. All three of these data elements are grouped together by individual SMSA.

* It should be noted that the comparison of similar rings for two SMSA's (e.g. 6-8 miles) has to take into account the fact that the two rings may not have the same land area, either because some rings contain significant bodies of water, or because parts of the rings fall outside the SMSA boundary.

2. COMPIRATION AND INTERPRETATION OF THE DATA

This section describes how the different tables and plots were compiled and how they are to be interpreted by the user. Also included is an explanation of the data source, i.e., whether the data were obtained from existing sources or derived.

2.1 POPULATION AND SOCIO-ECONOMIC RING DATA

The population and socio-economic characteristics presented in the first table for each SMSA are broken down into 1 and 2 mile concentric rings radiating from a point at the center of the CBD. In cases where an SMSA contains two major cities (e.g., Minneapolis-St. Paul, San Francisco-Oakland, Tampa-St. Petersburg, Dallas-Ft. Worth), the pivot point was placed halfway between the two cities.* This pivot point is designated in the table in terms of latitude and longitude. In addition to the ring data, this table also summarizes population, land area (sq.mi.) and population density for the SMSA, U.A., C.C., and CBD.

The ring data were obtained from C.A.C.I.'s SITE program (made available through TYMSHARE). To obtain census data by concentric rings, the latitude and longitude of the pivot point of each city, and the radii of the rings were specified. The SITE program aggregates, calculates, and produced a report on each ring consisting of various categories of relevant census data. As noted in the table, the first two rings have 1-mile widths, while the remaining nine rings have 2-mile widths (up to 20 miles).

2.2 JOURNEY-TO-WORK DATA

The data reported in the top portion of the second table for each SMSA include home-to-work flows, with zones of residence noted

*This general rule did not apply to San Francisco-Oakland and Tampa-St. Petersburg. For further details see Section 3.2.

across the top of the columns, and zones of employment listed down the rows. Two extra rows further subdivide the central city into CBD and other. The cells in the table, excluding those for grand totals and densities, indicate the number of workers who live in one of the areas of residence (column headings) and work in one of the places of employment (row headings). For example, the cell in the top left-hand corner of the Journey-to-Work table indicates the total number of people who both live and work in the SMSA. Likewise, the number directly below it indicates the total number of people who live in the SMSA and work in the urbanized area.

Listed below the grand totals of each column and adjacent to the grand totals of each row are figures for worker density and employment density, respectively. These figures were calculated by taking the grand totals of workers and jobs and dividing them by the appropriate land area. (For further description on worker and employment densities, see the glossary, Appendix A.)

The bottom portion of the Journey-to-Work table lists a distribution of work trips by mode (modal split) for the grand totals of workers in each zone of residence.

The main sources of data presented in this report were the following U.S. Census Bureau publications: Journey to Work, PC(2) 6D; General Social and Economic Characteristics, PC(1)C; and Detailed Characteristics, PC(1)D. The data in these sources provided information on work trips for all the zones with the exception of the following: urbanized area, urbanized ring, and rural and scattered urban. Once information is obtained for the urbanized area, the other two categories can be determined by means of the following two identities:

1. Urbanized Ring = U.A. - C.C.
2. Rural and Scattered Urban = SMSA - U.A.

(An example of this calculation is illustrated in Appendix B of this report.)

The definition of an urbanized area (U.A.) as used in the Journey-to-Work table in some cases differs slightly from the U.S.

Census Bureau definition of an urbanized area (see glossary, Appendix A). For those SMSA's in which the U.A. extends into counties not included in the SMSA, the U.A. definition has been modified by excluding the non-SMSA portion of the U.A. This modification of the original definition was necessary to maintain identities (1) and (2). The adjustment (i.e., excluding portions of the U.A.'s outside the SMSA) amounts to 1 or 2 percent in most cases.

The U.S. Census Bureau's Journey-to-Work lists a category under each set of home-to-work trips entitled "Place of Work - Not Reported." In order to achieve a more accurate record of total home-to-work flows in the Journey-to-Work table (Table 2), the work trips included under this category were handled as follows: The work trips were allocated to "working in the SMSA" and "working outside the SMSA," according to the proportion of reported work trips inside and outside the SMSA. The remaining places-of-work categories within the SMSA were then increased by the same adjustment factor applied to total employment in the SMSA. An example of this process is shown in the Sample Calculations, Appendix B.

With the exception of three cities, all the Journey-to-Work tables are compiled on the basis of the city's single SMSA. The three exceptions are New York, Los Angeles, and Chicago, which are compiled on the basis of Standard Consolidated Areas (SCA). An SCA consists of two or more contiguous SMSA's and additional counties, all of which have a strong interrelationship. The SMSA's and counties included in these three SCA's are listed in the notes, Section 3.2.

2.3 POPULATION DENSITY PLOTS

The data in this set of figures consist of 10 population density plots of each city. The first two plots include a population dot map and a contour map which indicates surfaces of equal population density. The latitude and longitude on each of these two plots indicate the boundaries of the mapped regions. The horizontal line across the bottom of the dot and contour views has

ticks at 10 mile intervals from right to left (because longitude is measured this way in the U.S.). The next eight maps show different isometric views of population density in the particular area. Ten mile ticks from right to left also appear along the base edge of each isometric view. The vertical line to the left of each isometric indicates the population density (10,000 people per square mile between the ticks). Below each isometric is a number in degrees which indicates the azimuth measured clockwise from north to the viewer, with the city at the center (e.g., 0.0 degrees means that the city is viewed from the north, looking south; 90.0 degrees indicates that the city is viewed from the east, looking west; and so forth up to 315.0 degrees).

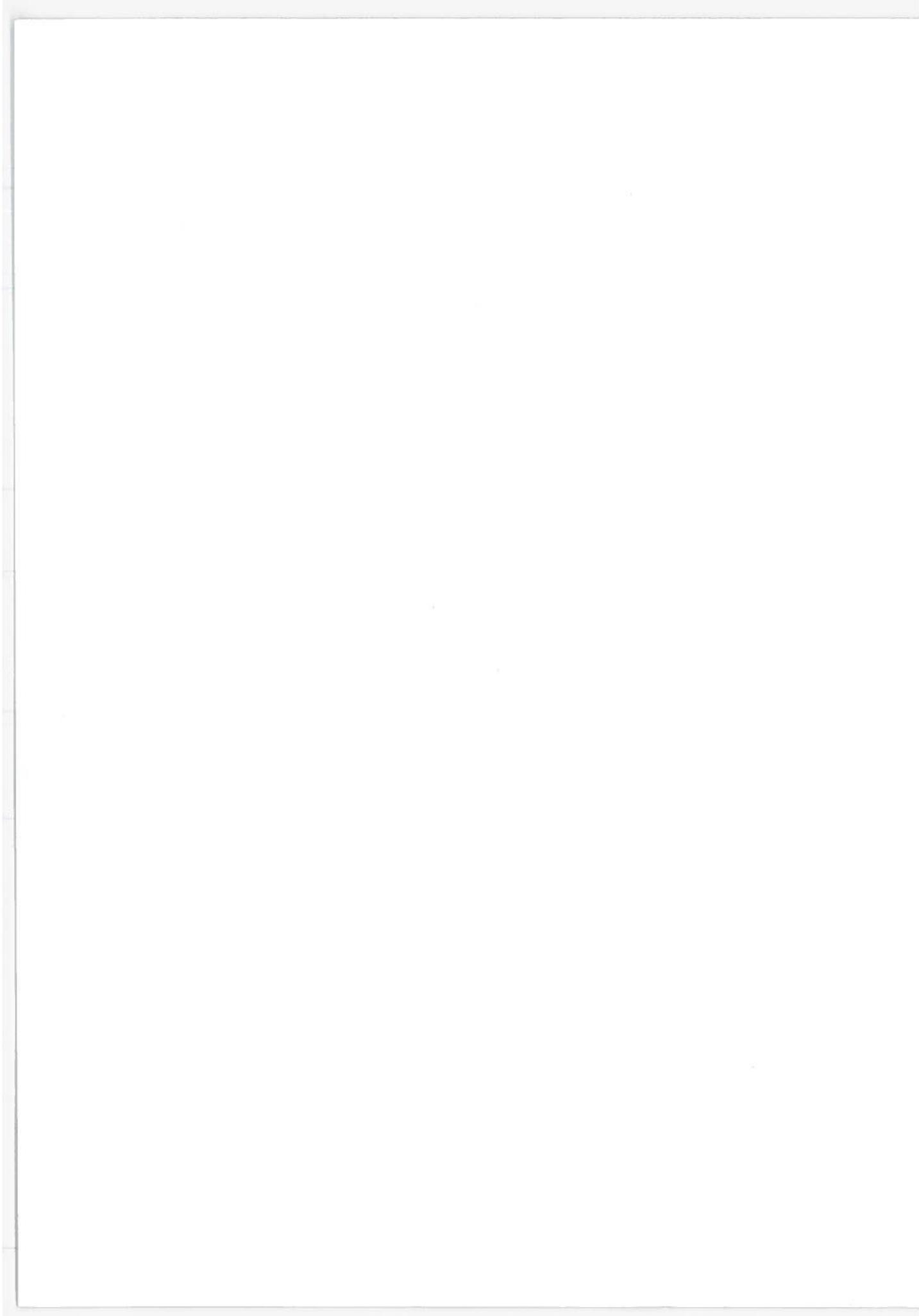
These population density plots were obtained from Union Carbide's Oak Ridge National Laboratory. The use of these views is widespread; e.g., in transportation planning to designate travel corridors.

Special notes or details on a particular SMSA are found in Section 3.2, immediately following the tables and plots of the 35 SMSA's. Further descriptions and/or definitions of the categories, terms, and concepts used in the tables and the rest of this report are provided in the glossary, Appendix A of this report.

3. URBAN DATA FOR 35 SMSA'S

3.1 DATA PRESENTATION

This section presents urban data for each of 35 SMSA's as described above. The SMSA's appear in alphabetical order, rather than by order of decreasing magnitude. Section 3.2, which follows the data presentation, provides special notes on individual SMSA's. SMSA's referred to in Section 3.2 are indicated in this section on the title pages preceding the SMSA data.



1. ATLANTA, GEORGIA

TABLE 1-1. SOCIO-ECONOMIC DATA BY URBAN RING - ATLANTA

CITY TRACTS BY INNER & OUTER RADII	CITY: ATLANTA, GEORGIA U.A. RANK: 20	TOTAL POP. SUS: URBANIZED AREA: CENTRAL CITY: CBD:	LAND AREA (SO., MI.) 1,390,000 1,727,708 2,435 2,429	PROP. DENSITY 805 3,696 3,783 1,980	LATITUDE: 34° 45' LONGITUDE: 84° 25'	
					PIVOT POINT: 34° 0' 18.0 - 18.0 MI.	
					12.0 - 12.0 MI.	14.0 - 14.0 MI.
Total Pop. (1)	17,435 (100.0)	183,096 (100.0)	219,161 (100.0)	186,908 (100.0)	157,656 (100.0)	127,688 (100.0)
White Pop. (1)	4,110 (23.4)	23,518 (27.3)	96,946 (52.9)	150,328 (66.6)	136,406 (73.0)	125,728 (58.5)
Black Pop. (1)	13,556 (76.0)	62,125 (72.2)	85,544 (46.7)	68,128 (31.1)	50,191 (26.3)	87,351 (91.9)
Span. - (1 of white) (1)	0 (0.0)	473 (0.5)	1,885 (1.0)	2,844 (1.3)	2,029 (1.1)	72,340 (93.4)
Other (1)	67 (0.4)	380 (0.4)	606 (0.3)	705 (0.3)	311 (0.2)	1,420 (1.1)
Total Male Pop. (1)	7,925	40,404	86,448	102,105	88,012	76,720
Median Male Age (1)	25.1	22.9	27.3	26.2	25.7	24.4
Total Female Pop. (1)	9,508	45,619	96,648	117,056	98,996	70,746
Median Female Age (1)	29.1	29.1	30.3	28.0	26.9	25.4
% of Total Pop. - 65+ (1)	12.0	11.3	10.5	7.8	6.0	4.5
Total Male Pop. (1)	\$6,036	\$9,255	\$12,100	\$13,603	\$14,656	62,940
Median Family Inc. (1)	\$4,158	\$4,965	\$8,181	\$10,475	\$11,354	47,555
No. of Households (1)	5,408	26,493	57,520	68,653	56,060	58,325
No. of Families (1)	3,671	18,174	45,217	55,066	49,201	56,403
Average H.H. Size (1)	3.0	3.0	3.1	3.1	3.3	3.6
Average Fam. Size (1)	3.7	3.6	3.4	3.5	3.5	3.7
Total No. of Renters (1)	\$,091	22,609	34,521	34,729	23,559	11,103
Avg. Rent Paid (1)	\$63	\$65	\$85	\$70	\$110	\$140
Median Rent Paid (1)	\$54	\$56	\$70	\$70	\$105	\$142
% of Total Pop. Renting (1)	94.1	85.3	60.0	50.6	42.0	34.7
Total No. of Home Owners (1)	317	3,834	22,999	33,924	32,501	27,020
Avg. Value of House (\$1,000) (1)	\$16,352	\$31,777	\$16,973	\$21,025	\$24,048	\$27,140
Median Value of House (\$1,000) (1)	\$7,500	\$10,932	\$15,140	\$18,244	\$21,019	\$24,573
% of Total Pop. Own Home (1)	5.9	14.7	40.0	49.4	58.0	65.3
No. Own 0 Auto. (1)	4,024	70.1	16,293 (58.8)	16,370 (26.8)	8,956 (12.4)	6,374 (10.9)
No. Own 1 Auto. (1)	1,363 (21.7)	9,144 (35.0)	28,444 (47.2)	33,016 (45.8)	25,545 (40.3)	15,984 (33.1)
No. Own 2 Autos. (1)	312 (5.4)	1,841 (6.6)	13,462 (22.0)	26,922 (34.6)	23,103 (39.6)	24,554 (51.7)
No. Own 3+ Autos. (1)	44 (0.8)	437 (1.6)	2,450 (4.0)	5,165 (7.2)	5,135 (9.1)	5,2446 (11.5)

TABLE 1-2. JOURNEY-TO-WORK DATA - ATLANTA

SMSA: ATLANTA, GA.		PLACE OF RESIDENCE (000)								EMPLOY- MENT DENSITY FOR GRAND TOTALS (PER SQ. MI.)		
		LIVING IN THE SMSA				LIVING OUTSIDE SMSA, WORKING IN IT						
		URBANIZED AREA		RURAL AND SCATTERED URBAN		URBAN- IZED RING		CENTRAL CITY		U.A. TOTAL	SMSA TOTAL	
PLACE OF WORK (000)	S. M. U. S. A. S. A.	SMSA TOTAL	URBANIZED AREA TOTAL	SMSA TOTAL	URBANIZED AREA TOTAL	SMSA TOTAL	URBANIZED AREA TOTAL	SMSA TOTAL	URBANIZED AREA TOTAL	SMSA TOTAL	URBANIZED AREA TOTAL	EMPLOY- MENT DENSITY FOR GRAND TOTALS (PER SQ. MI.)
HOME- TO- WORK FLOWS		562	481	200	281	81	57	619	358			
	S. U. S. A.	513	462	196	266	51	48	561	1,290			
	CEN- TRAL CITY	310	290	157	153	20	27	337				
	CBD	56	51	28	25	5	6	62	2,553			
	OTHER	254	239	129	110	15	21	275	2,102			
	URBANIZED RING	203	172	39	133	51	21	224	739			
	RURAL & SCATTERED URBAN	49	19	4	15	30	9	58	45			
	WORKING OUTSIDE SMSA, LIVING IN IT	15	11	4	7	4		15				
	GRAND TOTAL	577	492	204	288	85	57	634				
	WORKER DENSITY FOR GRAND TOTALS (PER SQ. MI.)	354	1,131	1,546	950	66						
DISTRIBU- TION OF WORK TRIPS BY MODE (%)	AUTO DRIVER; AUTO PASS.	85%	83%	73%	91%	93%	93%	93%	85%			
	PUBLIC TRANSPORTATION	9	10	20	3	1	2	2	8			
	WALK; WORK AT HOME	4	4	6	3	4	0	0	4			
	TAXI; OTHER	2	3	1	3	2	5	5	3			

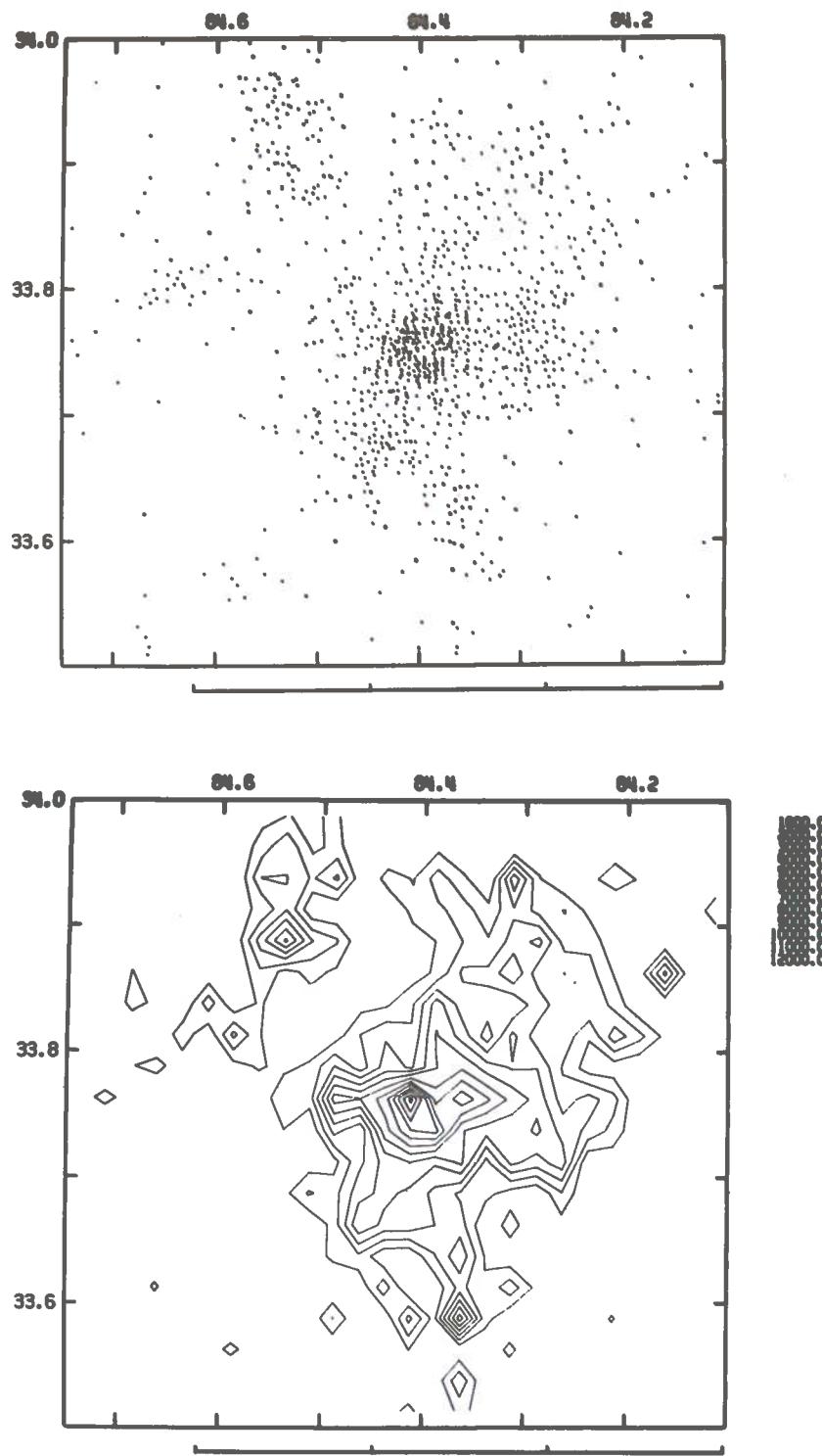
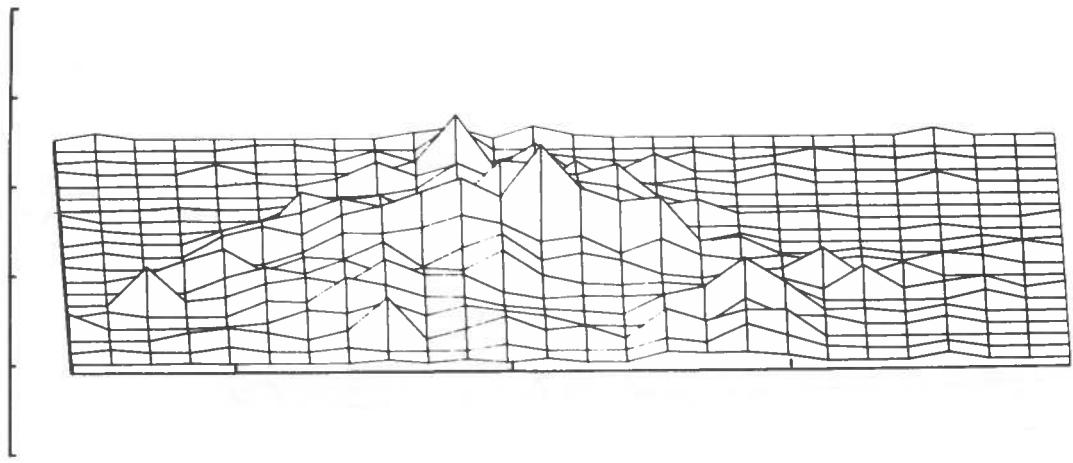
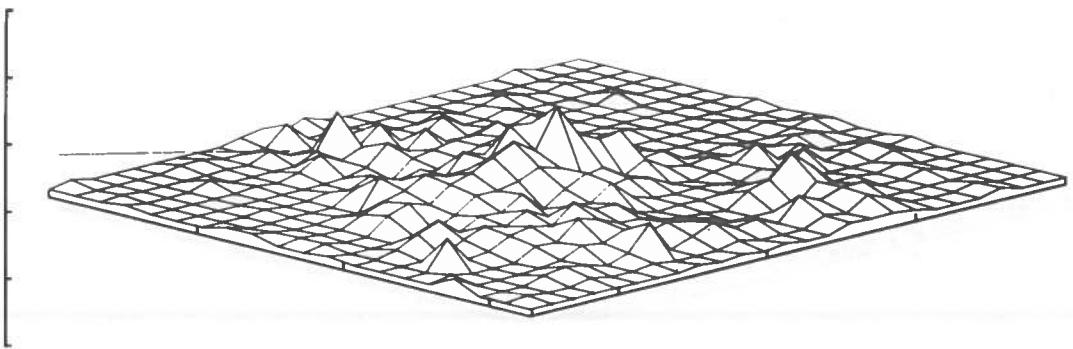


Figure 1-1. Population Density Plots - Dot and Contour Maps - Atlanta

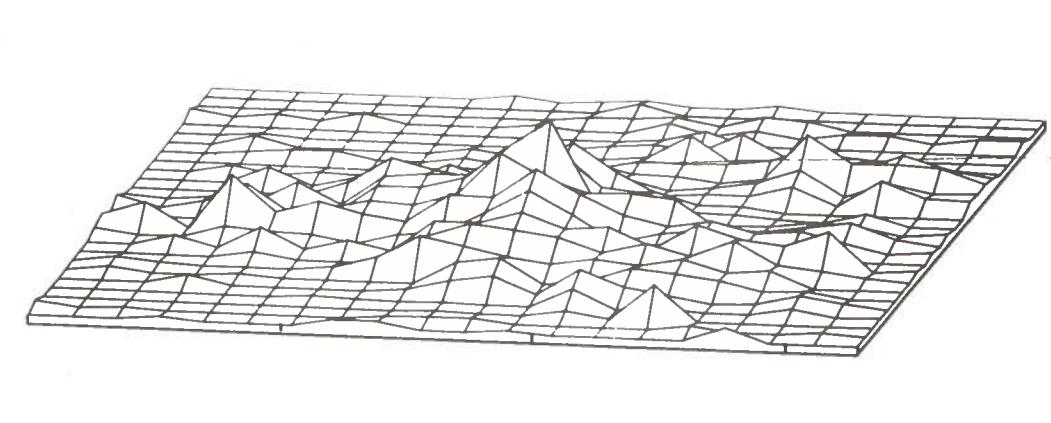


0.0 DEGREES

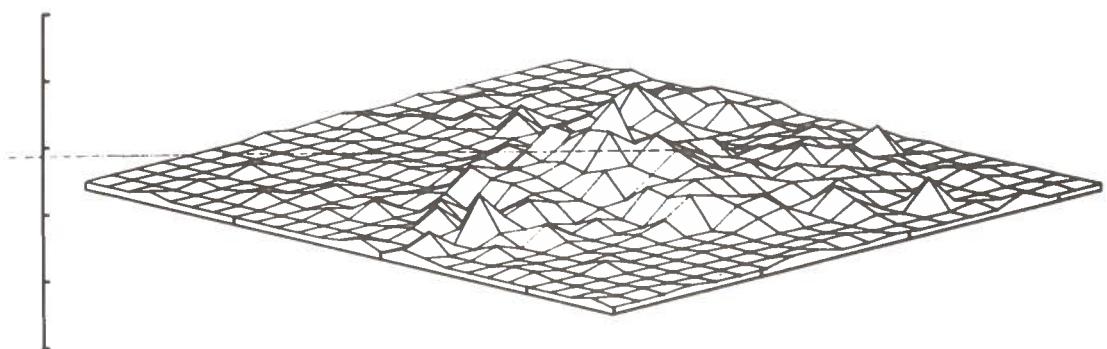


45.0 DEGREES

Figure 1-2. Population Density Plots - Isometric Views
 $(0^\circ, 45^\circ)$ - Atlanta

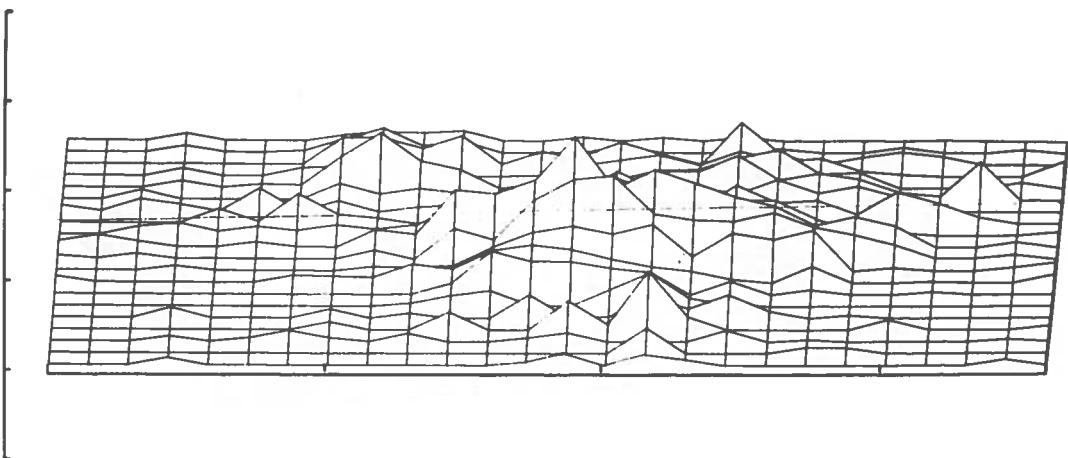


90.0 DEGREES

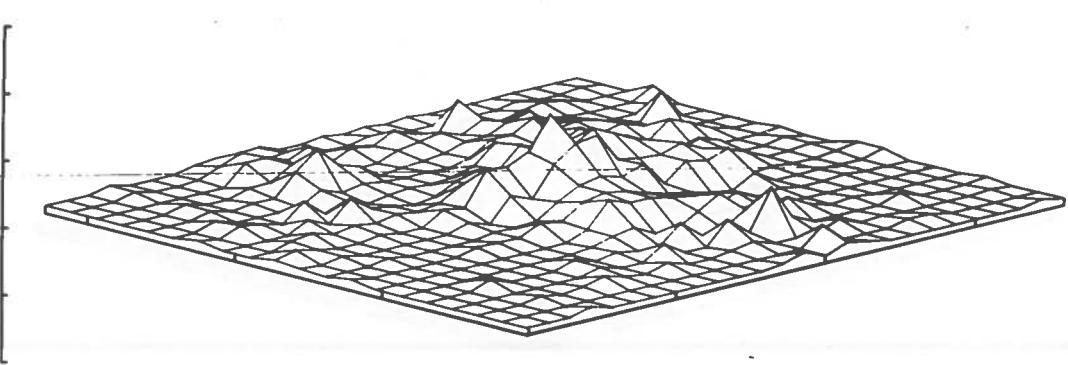


135.0 DEGREES

Figure 1-3. Population Density Plots - Isometric Views
(90°, 135°) - Atlanta

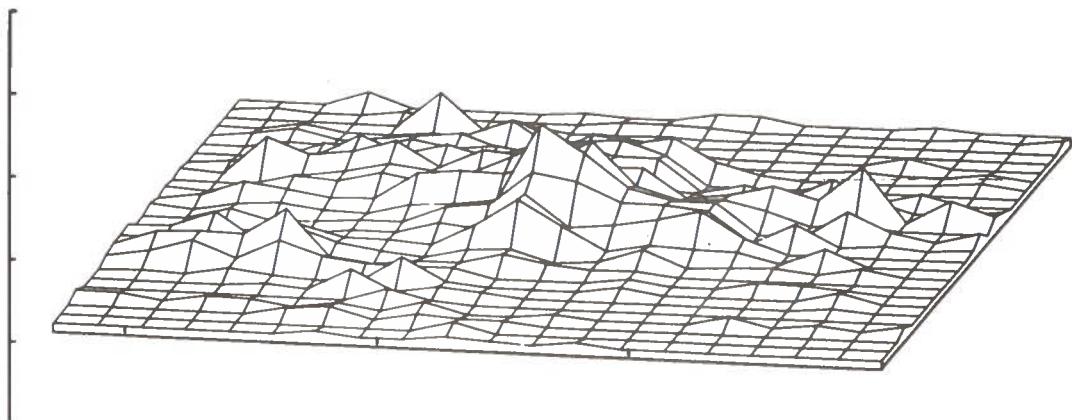


180.0 DEGREES

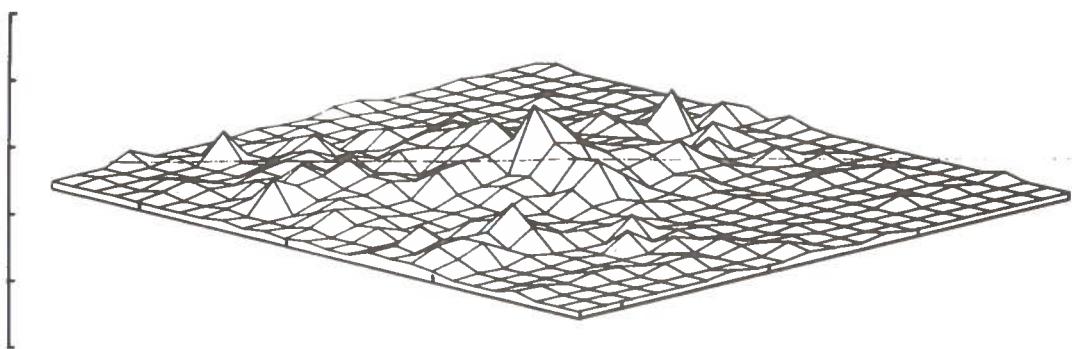


225.0 DEGREES

Figure 1-4. Population Density Plots - Isometric Views
(180° , 225°) - Atlanta



270.0 DEGREES



315.0 DEGREES

Figure 1-5. Population Density Plots - Isometric Views
(270° , 315°) - Atlanta

2. BALTIMORE, MARYLAND

TABLE 2-1. SOCIO-ECONOMIC DATA BY URBAN RING - BALTIMORE

CITY TRACTS BY INNER & OUTER RADII	CITY: BALTIMORE, MD. U.A. RANK: 14	URBAN CHARACTERISTICS	TOTAL POP.			LAND AREA (SQ. MI.)			POP. DENSITY		
			SUSA URBANIZED AREA: [CENTRAL CITY; CBSA]	2,011,000 1,561,000 966,000 2,569	2,139 310 78 0,527	917 5,103 11,568 4,878	6.0 MI.	10.0 MI.	14.0 MI.	18.0 MI.	22.0 MI.
Total Pop. (1)	47,275 (100.0)	196,563 (100.0)	323,406 (100.0)	396,628 (100.0)	307,015 (100.0)	203,328 (100.0)	117,430 (100.0)	65,228 (100.0)	57,135 (100.0)	66,341 (100.0)	66,341 (100.0)
White Pop. (1)	18,445 (39.9)	67,532 (34.4)	147,864 (45.7)	503,480 (76.5)	291,785 (95.0)	196,841 (96.8)	113,927 (97.0)	59,884 (91.8)	70,355 (91.2)	53,282 (93.3)	61,387 (92.4)
Black Pop. (1)	28,121 (59.5)	127,259 (64.8)	173,736 (53.7)	91,177 (33.0)	14,039 (4.6)	5,649 (2.7)	3,056 (2.6)	6,394 (8.3)	3,450 (6.4)	4,776 (7.2)	4,776 (7.2)
Span. (A of White) (1)	354 (0.7)	1,630 (0.8)	2,166 (0.7)	3,335 (0.8)	1,752 (0.6)	1,306 (0.6)	833 (0.7)	490 (0.8)	1,520 (2.0)	1,145 (2.0)	795 (1.2)
Other (1)	509 (0.7)	1,732 (0.9)	1,746 (0.5)	1,970 (0.5)	1,191 (0.4)	1,018 (0.5)	447 (0.4)	284 (0.4)	381 (0.5)	181 (0.5)	278 (0.4)
Total Male Pop.	23,126	94,687	151,671	186,642	147,014	101,051	58,485	33,513	41,537	28,642	33,600
Median Male Age	27.4	26.0	28.3	29.4	27.2	26.5	26.5	25.9	24.5	24.6	26.2
Total Female Pop.	24,149	101,876	171,735	209,986	160,001	102,277	58,945	31,715	35,603	28,471	35,741
Median Female Age	27.4	28.2	30.1	31.0	28.2	27.3	26.0	25.4	25.5	26.1	25.5
% of Total Pop. 65+ (1)	11.7	9.8	10.2	9.1	5.5	5.4	4.5	4.4	4.4	4.9	5.5
Mean Family Inc.	\$6,206	\$7,192	\$9,729	\$11,793	\$13,875	\$13,788	\$14,153	\$14,134	\$13,599	\$13,359	\$14,485
Median Family Inc.	\$4,688	\$6,357	\$8,819	\$10,658	\$12,309	\$12,109	\$12,606	\$12,667	\$12,169	\$11,947	\$12,990
No. of Households	14,927	57,787	94,250	117,552	93,001	56,184	30,170	15,966	17,887	14,112	15,649
No. of Families	8,888	42,218	76,984	101,720	83,050	52,521	30,047	15,693	17,487	14,333	15,738
Average H.H. Size	2.9	3.8	3.4	3.3	3.4	3.5	3.5	3.8	3.9	4.0	3.9
Average Fam. Size	4.0	3.9	3.7	3.5	3.4	3.6	3.7	3.7	3.9	3.7	3.7
Total No. of Renters	13,188	42,154	51,458	52,325	30,226	17,922	6,311	4,461	5,673	4,766	6,455
Avg. Rent Paid	\$7.4	\$7.4	\$5.05	\$10.05	\$12.26	\$10.9	\$12.2	\$12.28	\$12.29	\$11.7	\$137
Median Rent Paid	\$5.0	\$5.7	\$8.2	\$10.8	\$12.2	\$10.9	\$12.7	\$12.8	\$8.7	\$11.1	\$138
% of Total Pop. Renting	88.3	72.9	54.6	44.5	53.2	31.9	27.5	27.9	31.7	33.6	41.2
Total No. of Home Owners	1,739	15,633	42,792	61,475	36,262	21,859	11,505	12,214	9,336	9,194	9,194
Avg. Value of House	\$6,497	\$6,385	\$10,178	\$14,737	\$18,319	\$20,908	\$23,816	\$26,712	\$25,791	\$23,693	\$30,176
Median Value of House	\$5,552	\$5,396	\$8,377	\$12,872	\$16,929	\$17,807	\$21,285	\$24,462	\$23,542	\$21,944	\$28,580
% of Total Pop. Own Home	11.7	27.1	45.4	55.5	66.8	66.1	72.5	72.1	68.3	66.2	58.6
No. Own 0 Autos. (1)	11,494 (73.1)	39,502 (64.8)	40,743 (40.3)	27,507 (21.6)	10,343 (10.7)	4,119 (**)	1,564 (**)	557 (3.2)	913 (4.8)	1,012 (6.2)	664 (5.7)
No. Own 1 Auto. (1)	3,684 (23.5)	18,480 (30.3)	46,335 (45.8)	66,477 (52.5)	46,282 (47.9)	27,867 (47.0)	13,838 (41.9)	7,056 (40.4)	8,563 (45.1)	7,324 (45.2)	7,613 (42.8)
No. Own 2 Autos. (1)	481 (31.1)	2,716 (4.5)	12,459 (12.3)	28,741 (22.7)	33,800 (35.0)	22,912 (38.7)	14,849 (44.9)	8,644 (49.5)	7,974 (42.0)	6,497 (40.1)	8,078 (45.4)
No. Own 3+ Autos. (1)	45 (0.3)	301 (0.5)	1,593 (1.6)	4,008 (3.2)	6,123 (6.3)	4,334 (7.3)	2,812 (8.5)	1,202 (6.9)	1,518 (8.0)	1,374 (8.5)	1,444 (8.1)

TABLE 2-2. JOURNEY-TO-WORK DATA - BALTIMORE

SMSA: BALTIMORE, MD.		PLACE OF RESIDENCE (000)						EMPLOY- MENT DENSI- TY FOR GRAND TOTALS (PER SQ. MI.)	
		LIVING IN THE SMSA		RURAL AND SCATTERED URBAN		LIVING OUTSIDE SMSA, WORKING IN IT			
HOME- TO- WORK FLOWS	PLACE OF WORK (000)	SMSA TOTAL	SMSA TOTAL	U.A. TOTAL	CENTRAL CITY	URBAN- IZED RING	RURAL AND SCATTERED URBAN	GRAND TOTAL	
		URBANIZED AREA TOTAL	693	564	322	242	129	23	
		S U. M S A.	CEN-TRAL CITY	395	356	255	101	39	
		PLACE OF WORK (000)	CBD	49	44	29	15	5	
		OTHER	OTHER	346	312	226	86	34	
		URBANIZED RING	RURAL & SCATTERED URBAN	298	208	67	141	90	
		WORKING OUTSIDE SMSA, LIVING IN IT	WORKING OUTSIDE SMSA, LIVING IN IT	84	33	14	19	51	
		GRAND TOTAL	GRAND TOTAL	814	620	343	277	194	
		WORKER DENSITY FOR GRAND TOTALS (PER SQ. MI.)	WORKER DENSITY FOR GRAND TOTALS (PER SQ. MI.)	360	2,000	4,397	1,194	100	
		DISTRIBUTION OF WORK TRIPS BY MODE (%)	DISTRIBUTION OF WORK TRIPS BY MODE (%)	AUTO DRIVER; AUTO PASS.	PUBLIC TRANSPORTATION	WALK; WORK AT HOME	TAXI; OTHER	37	
19		76%	73%	62%	87%	85%	88%	77%	
		13	17	25	6	2	3	13	
		8	8	10	5	10	3	8	
		3	2	3	2	3	6	2	

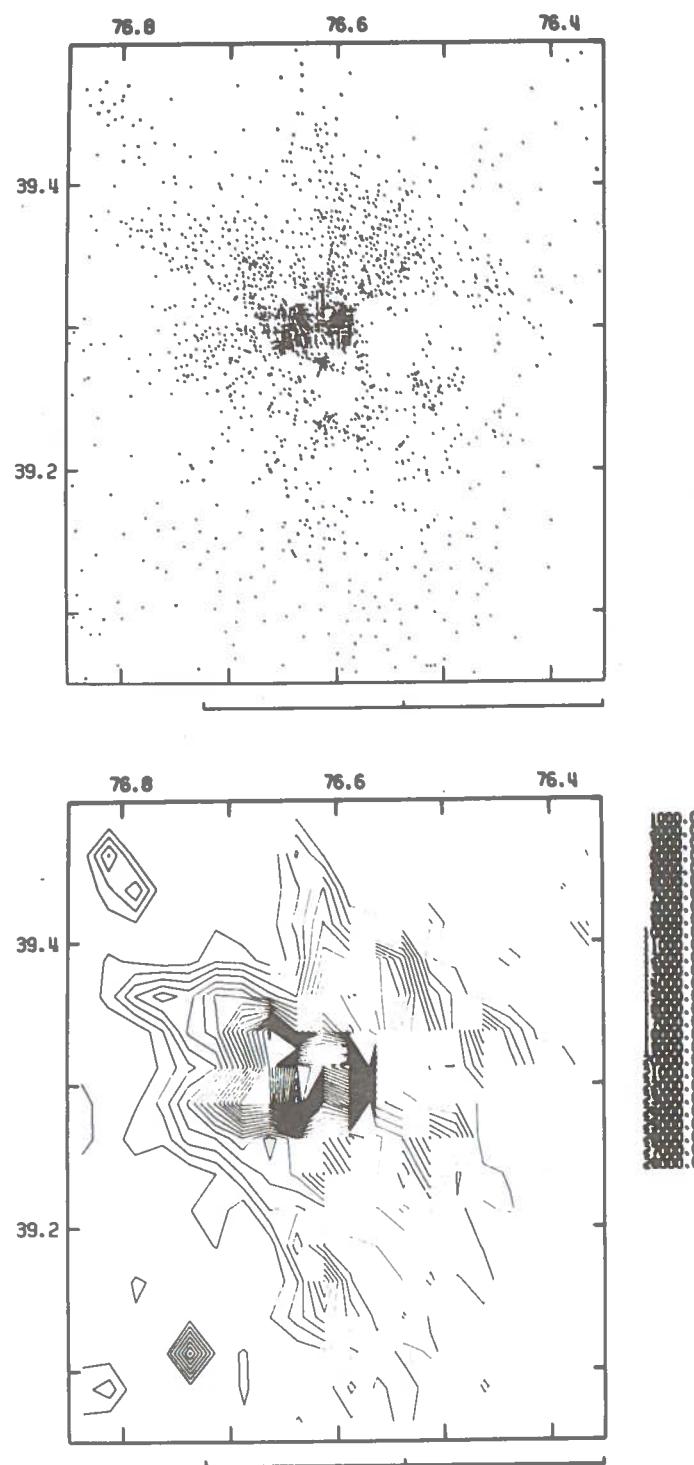
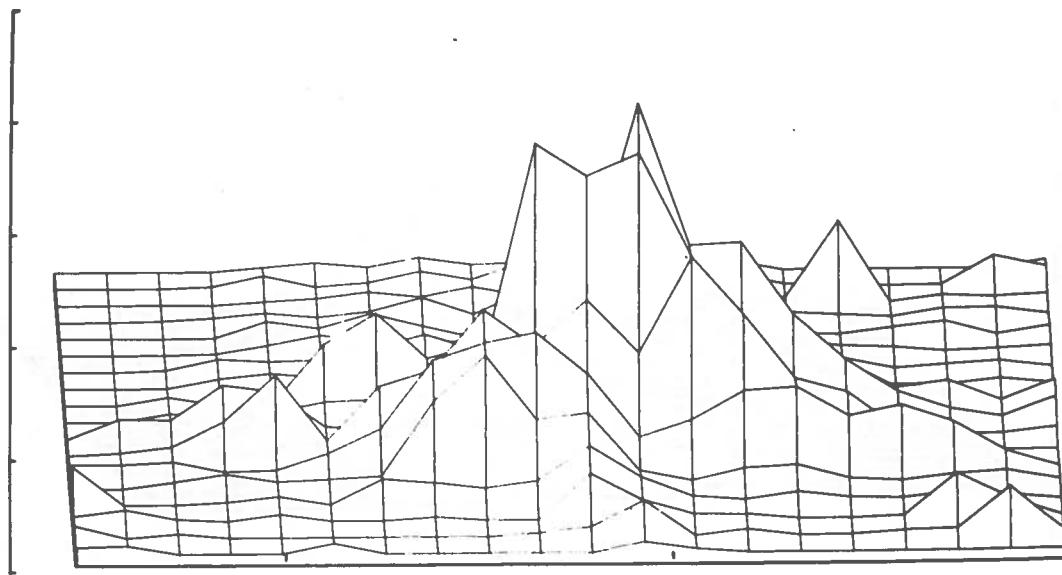
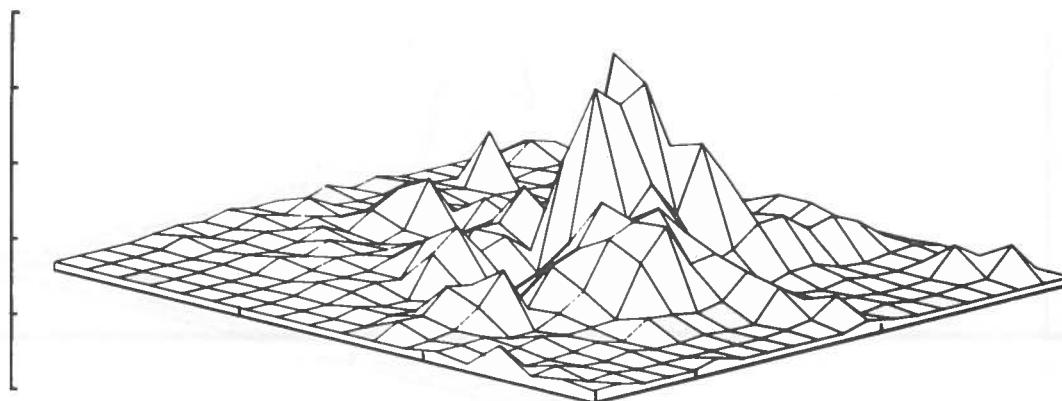


Figure 2-1. Population Density Plots - Dot and Contour Maps - Baltimore

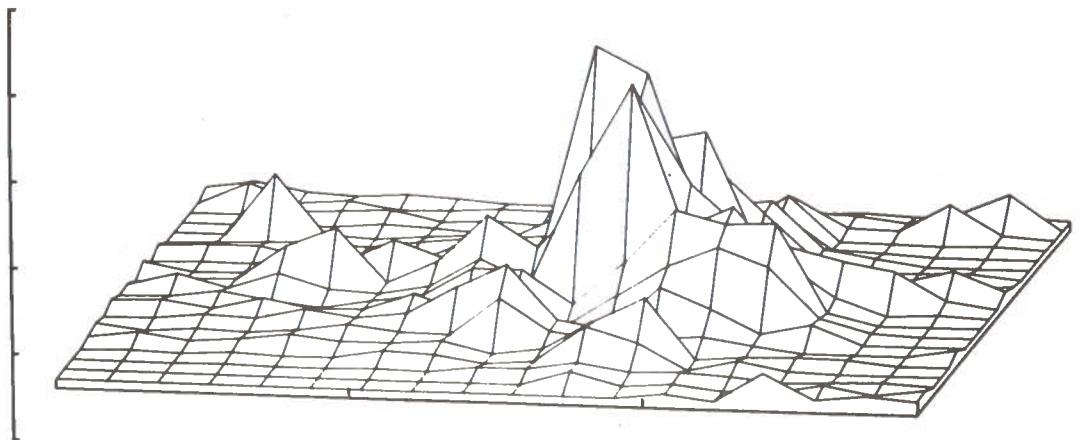


0.0 DEGREES

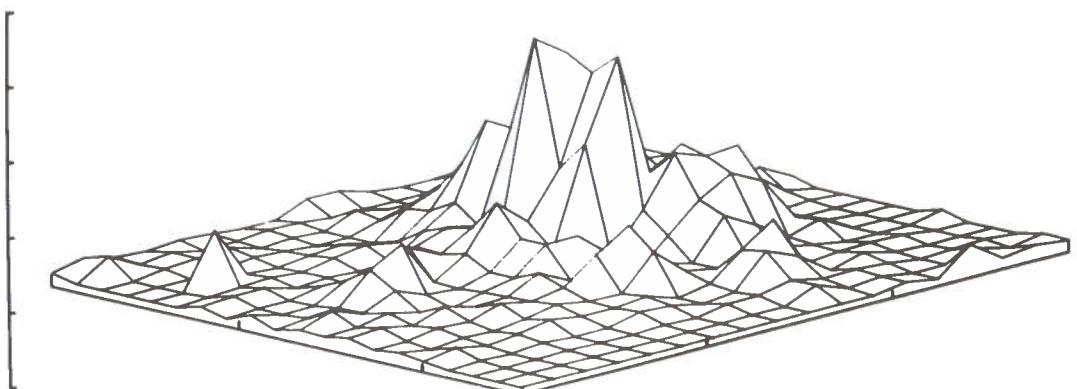


45.0 DEGREES

Figure 2-2. Population Density Plots - Isometric Views
(0° , 45°) - Baltimore

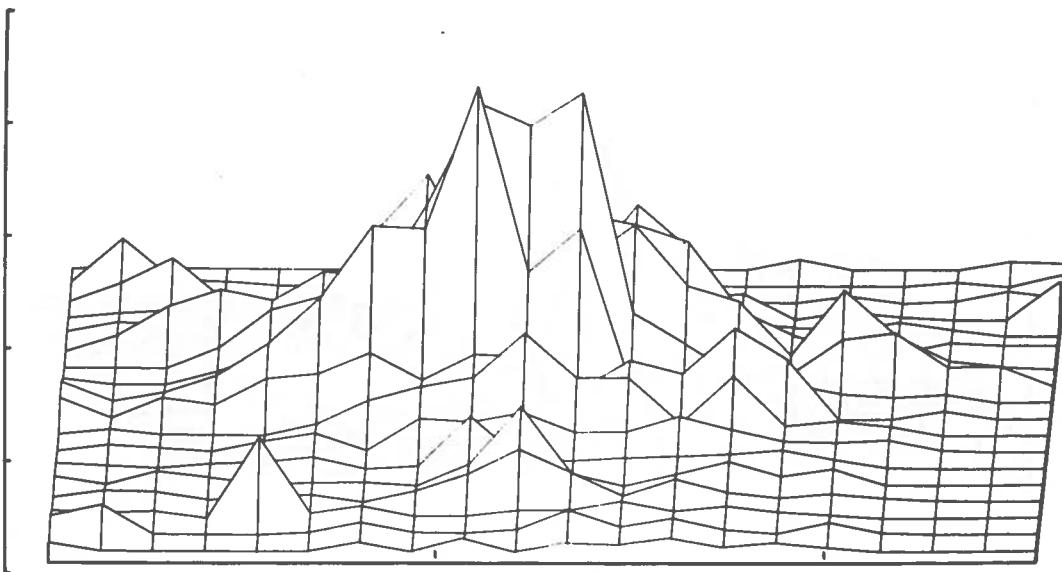


90.0 DEGREES

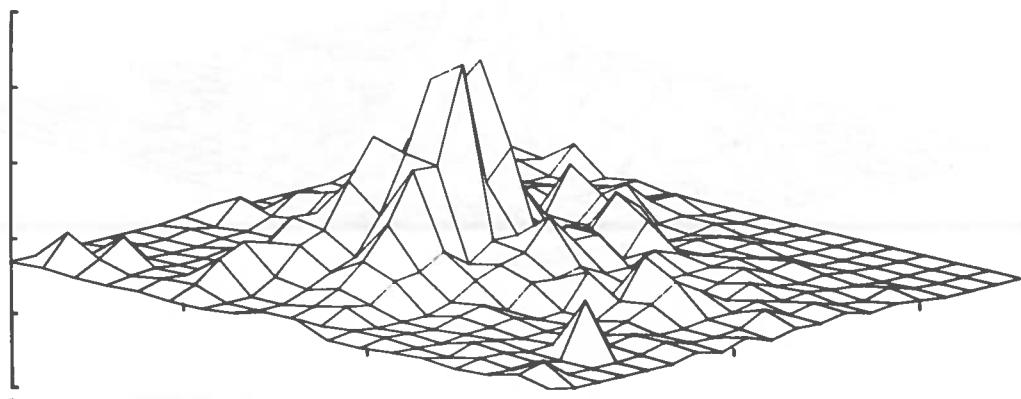


135.0 DEGREES

Figure 2-3. Population Density Plots - Isometric Views
(90°, 135°) - Baltimore

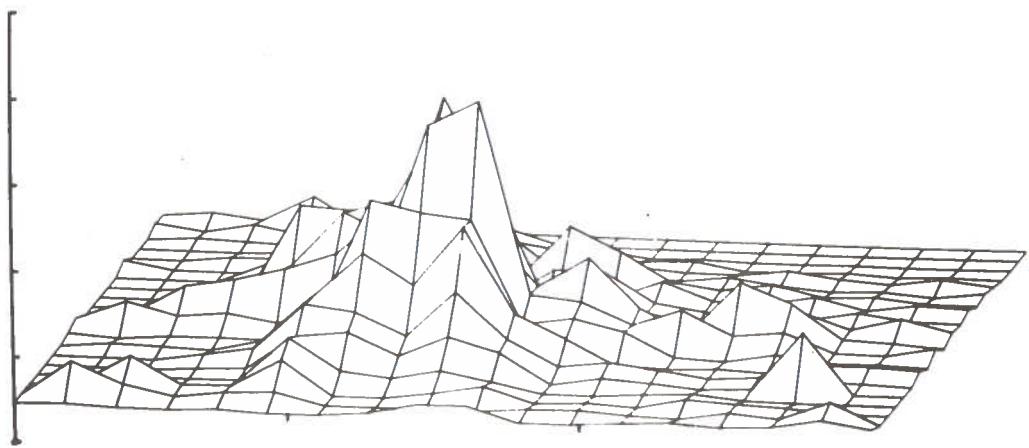


180.0 DEGREES

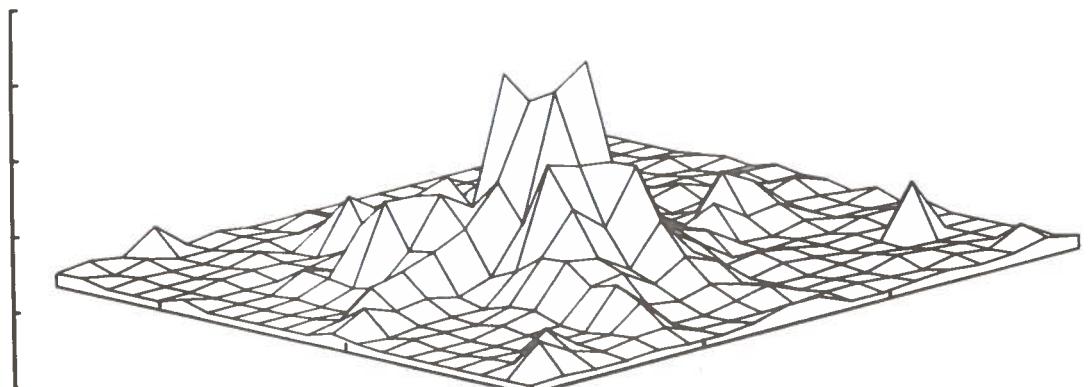


225.0 DEGREES

Figure 2-4. Population Density Plots - Isometric Views
(180°, 225°) - Baltimore



270.0 DEGREES



315.0 DEGREES

Figure 2-5. Population Density Plots - Isometric Views
(270° , 315°) - Baltimore

3. BOSTON, MASSACHUSETTS

TABLE 3-1. SOCIO-ECONOMIC DATA BY URBAN RING - BOSTON

URBAN CHARACTERISTICS	CITY TRACTS BY INNER & OUTER RADII	CITY: BOSTON, MA U. A. RAYK: 7	SMSA: URBANIZED AREA: CENTRAL CITY: CBD:		TOTAL POP. 2,754,000 2,622,575 641,000 3,700	LAND AREA (SQ. MI.) 987 64 46 1.0	POP. DENSITY 2,791 3,992 1,949 3,700	{ LATITUDE: 42° 21' 42° 3' 36°	{ LONGITUDE: 71° 3' 71° 3' 36°	
			0.0 - 1.0 MI. 1.0 - 2.0 MI. 2.0 - 4.0 MI. 4.0 - 6.0 MI.*	6.0 - 8.0 MI. 8.0 - 10.0 MI. 10.0 - 12.0 MI. 12.0 - 14.0 MI. 14.0 - 16.0 MI. 16.0 - 18.0 MI. 18.0 - 20.0 MI.						
Total Pop. (%)	29,408 (100.0)	111,831 (100.0)	472,450 (100.0)	456,106 (100.0)	350,448 (100.0)	360,941 (100.0)	259,464 (100.0)	200,152 (100.0)	216,238 (100.0)	164,984 (100.0)
White Pop. (%)	27,342 (93.0)	98,550 (87.9)	401,744 (95.0)	412,636 (90.5)	346,885 (99.0)	353,059 (98.5)	257,564 (99.3)	198,074 (99.0)	214,545 (99.2)	165,625 (99.2)
Black Pop. (%)	306 (1.1)	9,383 (8.4)	65,080 (13.8)	39,230 (8.6)	1,629 (0.5)	3,905 (1.1)	938 (0.4)	1,050 (0.5)	877 (0.4)	940 (0.6)
Spac. (A. f. white)	378 (1.3)	2,996 (2.6)	12,895 (2.7)	6,514 (1.4)	2,092 (0.6)	2,678 (0.7)	1,193 (0.5)	1,669 (0.8)	990 (0.5)	773 (0.5)
Other (%)	1,760 (6.0)	4,198 (3.8)	5,586 (1.2)	4,220 (0.9)	1,934 (0.6)	1,962 (0.4)	1,028 (0.5)	816 (0.4)	419 (0.3)	958 (0.4)
Total Male Pop.	14,448	54,787	218,857	208,332	164,106	170,995	125,521	95,844	105,763	80,850
Median Male Age	35.0	28.1	26.5	28.4	30.5	28.3	27.1	27.0	26.5	24.5
Total Female Pop.	14,960	57,044	233,593	247,774	186,342	189,246	133,943	104,308	111,755	84,134
Median Female Age	32.5	29.8	29.1	32.7	36.9	32.6	31.2	29.2	28.8	27.1
% of Total Pop. - 05*	13.9	11.9	12.3	13.8	13.9	11.6	9.3	8.2	8.3	8.4
Mean Family Inc.	\$14,446	\$9,659	\$10,191	\$11,733	\$15,056	\$13,272	\$15,204	\$15,598	\$14,387	\$11,662
Median Family Inc.	\$9,970	\$8,259	\$9,157	\$10,404	\$12,827	\$11,793	\$15,210	\$13,075	\$12,446	\$12,399
No. of Households	13,108	36,251	132,008	120,753	93,798	99,478	66,545	51,986	56,291	56,896
No. of Families	5,727	23,052	105,593	112,052	90,030	89,290	64,012	49,009	55,083	55,116
Average H.H. Size	2.1	2.8	3.3	3.7	3.6	3.5	3.7	3.8	3.8	3.9
Average Fam. Size	3.0	3.4	3.5	3.5	3.5	3.6	3.8	3.8	3.8	3.8
Total No. of Renters	12,698	33,977	119,161	90,483	36,435	46,972	15,022	14,889	15,181	8,126
Avg. Rent Paid	\$145	\$103	\$108	\$115	\$130	\$109	\$118	\$108	\$119	\$102
Median Rent Paid	\$128	\$76	\$94	\$112	\$129	\$105	\$117	\$101	\$117	\$95
% of Total Pop. Renting	96.9	93.7	89.7	74.9	41.0	47.2	21.9	28.6	27.0	21.3
Total No. of Home Owners	410	2,274	13,947	30,290	55,363	52,506	53,523	37,097	41,110	32,623
Avg. Value of House	\$43,643	\$14,592	\$20,850	\$25,116	\$29,166	\$26,167	\$27,406	\$29,888	\$26,517	\$24,735
Median Value of House	\$50,000+	\$11,840	\$10,684	\$22,078	\$25,654	\$23,218	\$23,870	\$25,861	\$23,392	\$22,279
% of Total Pop. Own Home	3.1	6.3	10.3	25.1	59.0	52.8	78.1	71.4	73.0	78.7
No. Own 0 Autos. (1)	8,838 (61.9)	24,363 (58.8)	69,966 (43.8)	44,112 (29.5)	15,551 (14.3)	19,751 (17.6)	5,995 (8.1)	5,050 (9.9)	5,657 (9.2)	3,439 (7.7)
No. Own 1 Auto. (1)	4,784 (33.5)	14,819 (35.8)	73,384 (45.9)	81,459 (54.5)	59,602 (54.7)	60,029 (53.6)	35,907 (48.6)	26,175 (46.0)	29,110 (47.6)	21,411 (48.0)
No. Own 2 Autos. (1)	555 (14.2)	1,915 (4.5)	14,080 (0.8)	20,945 (14.0)	28,514 (26.2)	27,692 (24.7)	27,161 (36.9)	21,396 (37.6)	22,253 (36.4)	16,875 (37.8)
No. Own 3+ Autos. (1)	66 (0.5)	317 (0.8)	2,412 (1.5)	2,975 (2.0)	5,357 (4.9)	4,567 (4.1)	4,577 (6.2)	3,633 (6.4)	4,131 (6.8)	2,860 (6.4)
No. Own 4+ Autos. (1)										3,444 (5.3)

TABLE 3-2. JOURNEY-TO-WORK DATA - BOSTON

SMSA: BOSTON, MASS.		PLACE OF RESIDENCE (000)										EMPLOY- MENT DENSITY FOR GRAND TOTALS (PER SQ. MI.)	
		LIVING IN THE SMSA			LIVING OUTSIDE SMSA, WORKING IN IT			RURAL AND SCATTERED URBAN					
		SMSA TOTAL	U.A. TOTAL	CENTRAL CITY	URBAN- IZED RING	761	27	—	131	—	1168	—	
S U M S A	PLACE OF WORK (000)	1063	1033	252	781	30	136	1199	1,215	—	—	—	—
	URBANIZED AREA TOTAL	1037	1010	249	761	27	131	1168	1,215	—	—	—	—
	CEN-TRAL CITY	408	400	198	202	8	34	442	9,609	—	—	—	—
	CBD	87	86	36	50	1	4	91	91,000	—	—	—	—
	OTHER	321	314	162	152	7	30	351	7,800	—	—	—	—
	URBANIZED RING	629	610	51	559	19	97	726	1,175	—	—	—	—
	RURAL & SCATTERED URBAN	26	23	3	20	3	5	31	96	—	—	—	—
	WORKING OUTSIDE SMSA, LIVING IN IT	48	45	6	39	3	—	—	—	48	—	—	—
	GRAND TOTAL	1111	1078	258	820	33	136	1247	—	—	—	—	—
	WORKER DENSITY FOR GRAND TOTALS (PER SQ. MI.)	1,126	1,623	5,609	1,327	102	—	—	—	—	—	—	—
DISTRIBU-TION OF WORK TRIPS BY MODE (%)	AUTO DRIVER; AUTO PASS.	67%	67%	44%	74%	76%	91%	70%	—	—	—	—	—
	PUBLIC TRANSPORTATION	19	19	38	14	9	3	17	—	—	—	—	—
	WALK; WORK AT HOME	11	11	16	10	6	1	10	—	—	—	—	—
	TAXI; OTHER	3	3	2	2	8	5	3	—	—	—	—	—

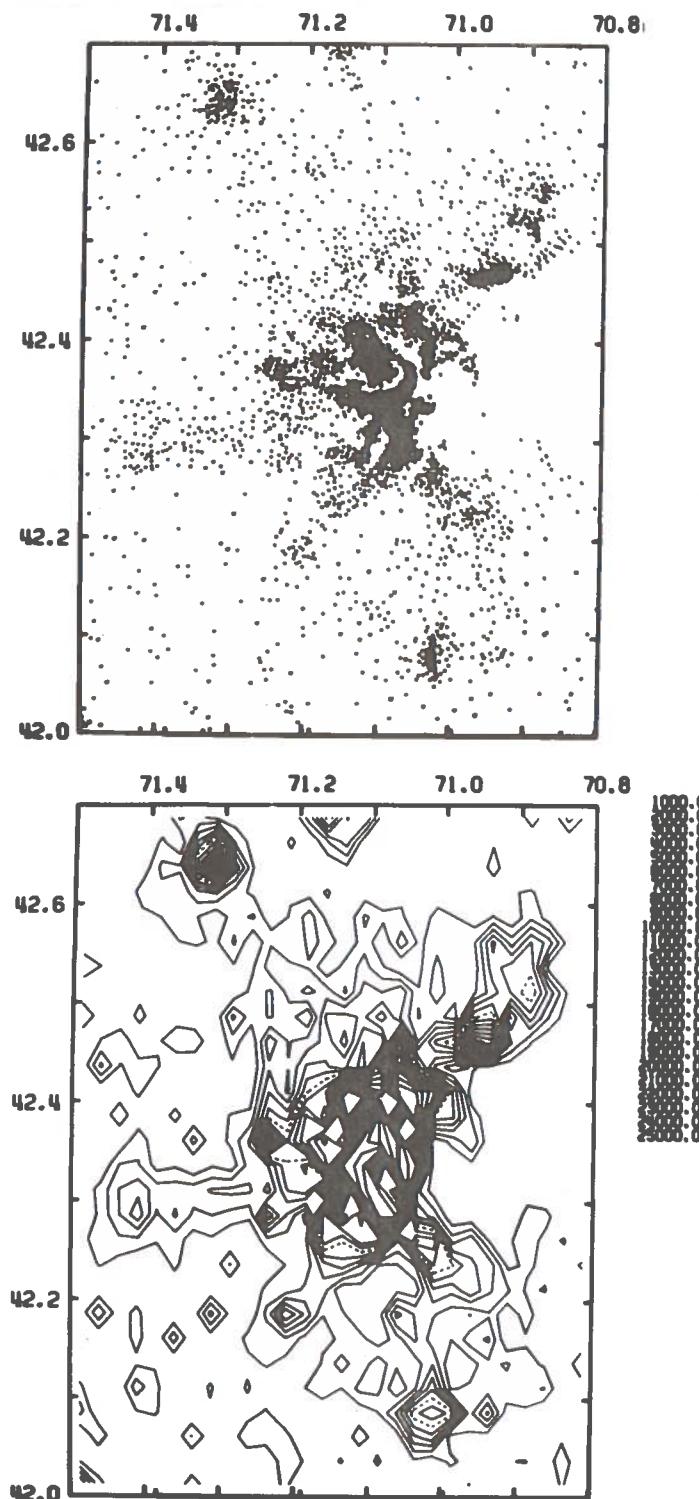
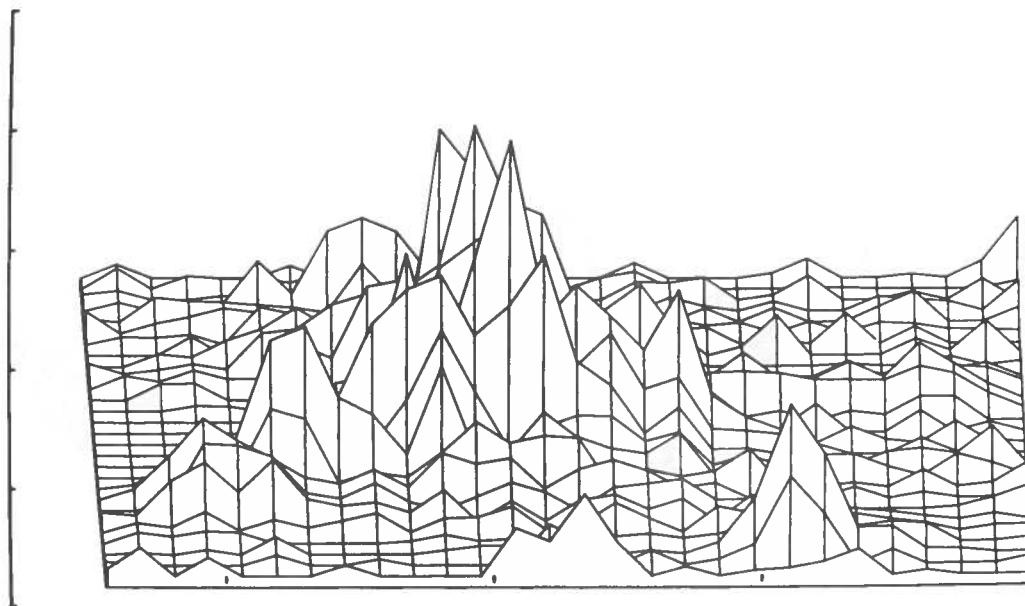
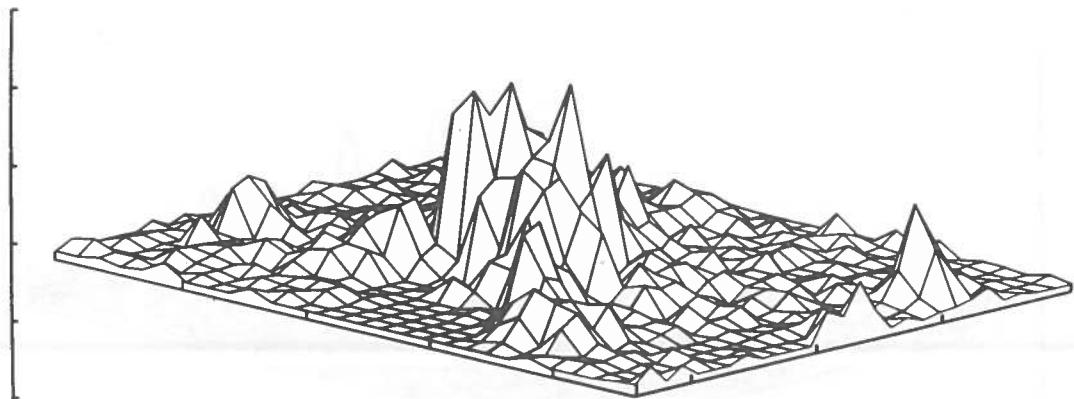


Figure 3-1. Population Density Plots - Dot and Contour Maps - Boston

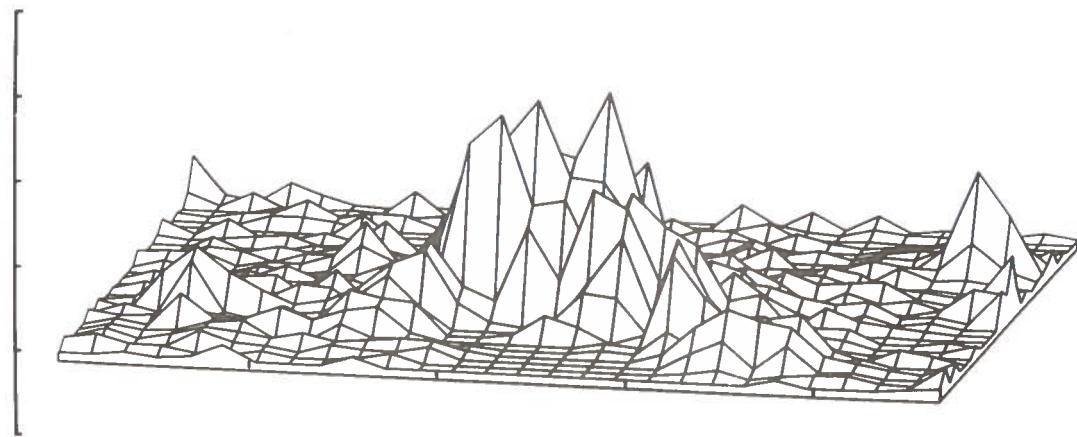


0.0 DEGREES

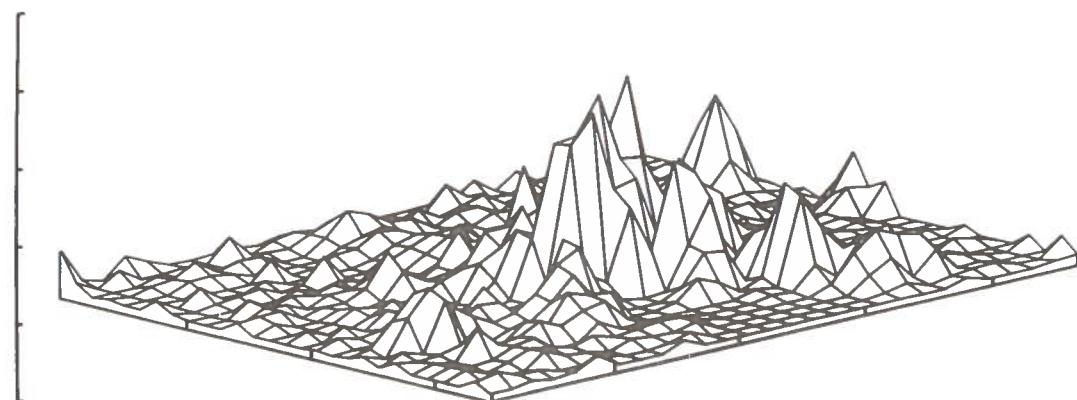


45.0 DEGREES

Figure 3-2. Population Density Plots - Isometric Views
 $(0^\circ, 45^\circ)$ - Boston

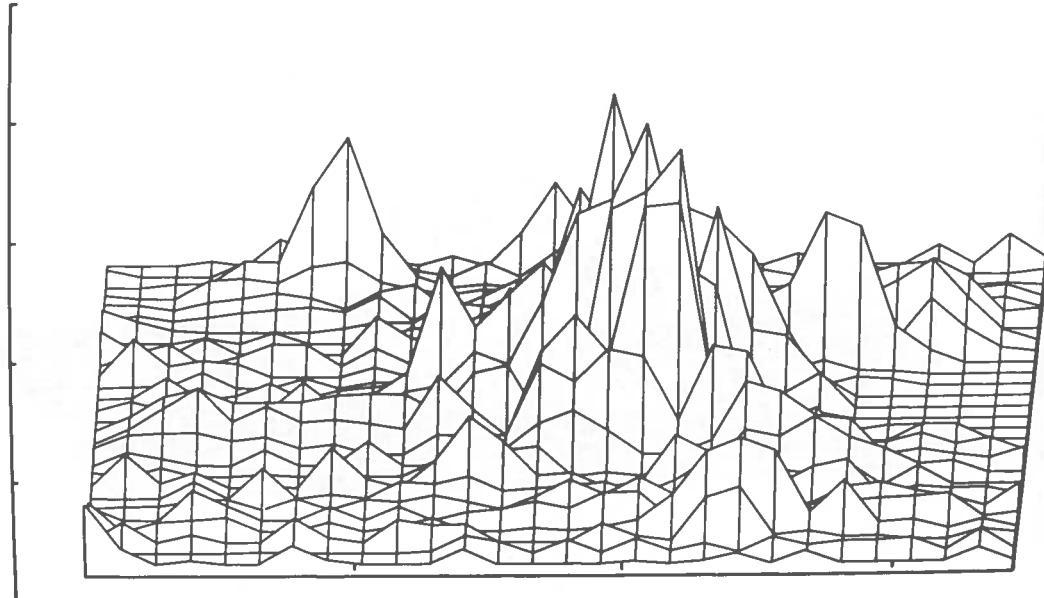


90.0 DEGREES

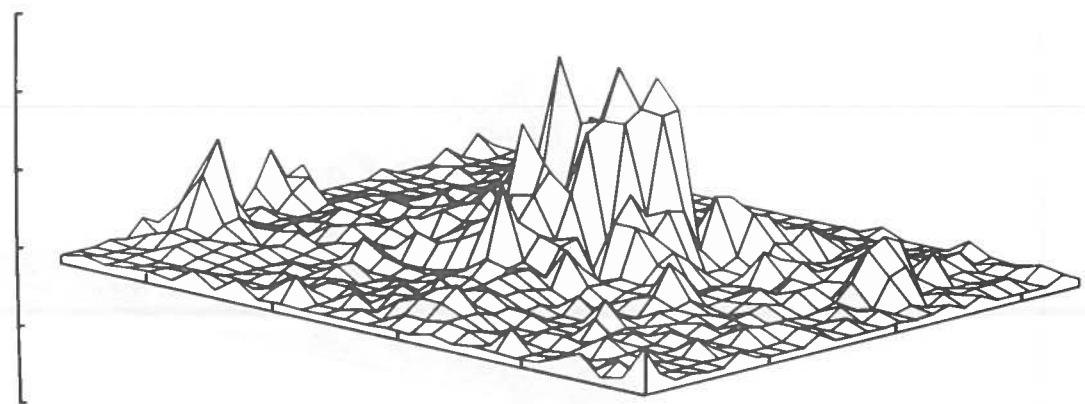


135.0 DEGREES

Figure 3-3. Population Density Plots - Isometric Views
(90°, 135°) - Boston

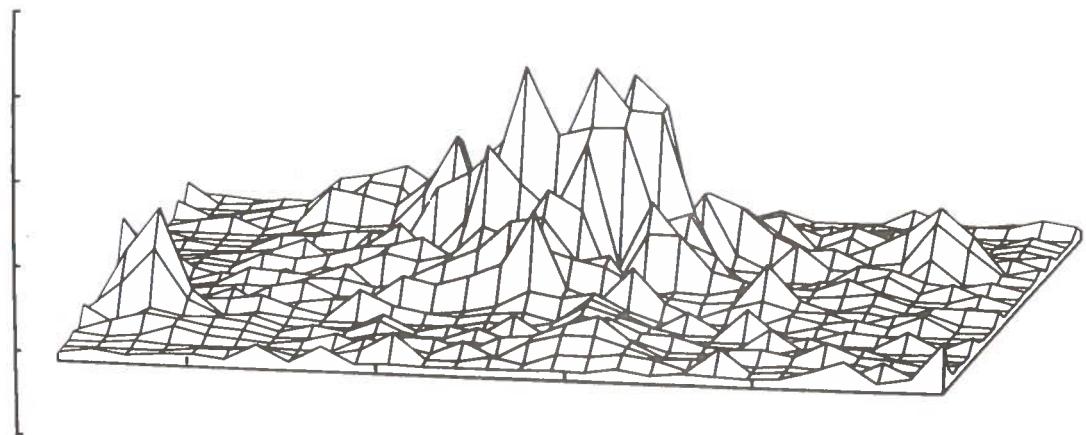


180.0 DEGREES

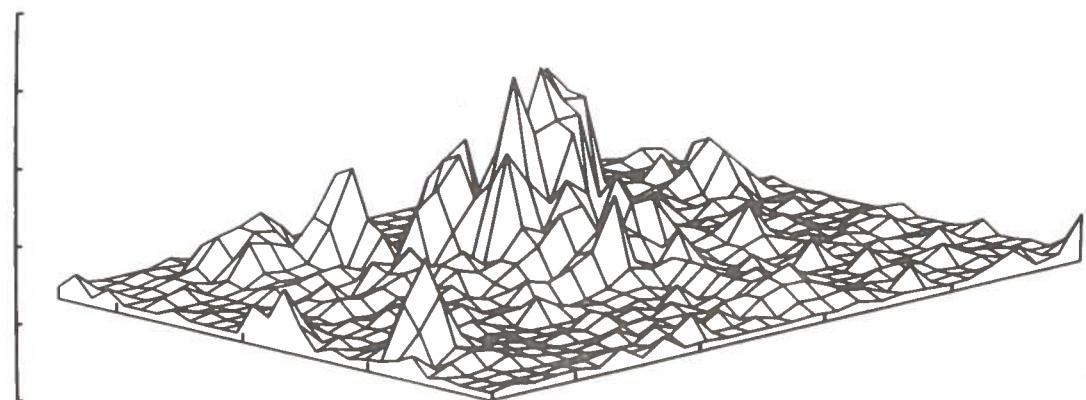


225.0 DEGREES

Figure 3-4. Population Density Plots - Isometric Views
(180°, 225°) - Boston



270.0 DEGREES



315.0 DEGREES

Figure 3-5. Population Density Plots - Isometric Views
(270° , 315°) - Boston

4. BUFFALO, NEW YORK

TABLE 4-1. SOCIO-ECONOMIC DATA BY URBAN RING - BUFFALO

CITY TRACTS BY INNER 6 OUTER RADII	CITY: BUFFALO, NY U. A. RANK: 63	URBAN CHARACTERISTICS	TOTAL POP.		LAND AREA (SD. MI.)		POP. DENSITY		LATITUDE: 42° 53' 12" LONGITUDE: 78° 52' 30'	
			SMSA: URBANIZED AREA: CENTRAL CITY: CBD:	1,349,000 1,083,594 463,000 1,828	1,591 214 41 6,777	5,985 11,055 2,353	848 5,485 1,185	0.0 mi. 1.0 mi. 2.0 mi. 3.0 mi. 4.0 mi. 5.0 mi. 6.0 mi. 7.0 mi. 8.0 mi. 9.0 mi. 10.0 mi. 11.0 mi. 12.0 mi. 13.0 mi. 14.0 mi. 15.0 mi. 16.0 mi. 17.0 mi. 18.0 mi. 19.0 mi.	10.0 mi. 11.0 mi. 12.0 mi. 13.0 mi. 14.0 mi. 15.0 mi. 16.0 mi. 17.0 mi. 18.0 mi. 19.0 mi.	
Total Pop. (1)	37,591 (100.0)	96,533 (100.0)	208,755 (100.0)	246,486 (100.0)	203,761 (100.0)	108,177 (100.0)	120,451 (100.0)	17,873 (100.0)	71,969 (100.0)	86,110 (100.0)
White Pop. (1)	18,593 (49.2)	59,637 (61.4)	169,485 (81.1)	240,428 (97.5)	202,511 (99.4)	107,377 (99.3)	110,365 (99.6)	17,768 (99.4)	70,472 (97.9)	82,359 (95.6)
Black Pop. (1)	18,013 (47.9)	36,034 (37.3)	38,120 (18.3)	5,000 (2.1)	310 (0.2)	406 (0.4)	162 (0.1)	71 (0.4)	1,161 (1.6)	3,233 (3.3)
Span. (A of white) (1)	1,988 (5.3)	786 (0.8)	675 (0.3)	751 (0.3)	59 (0.0)	14 (0.1)	48 (0.0)	0 (0.0)	0 (0.1)	95 (0.1)
Other (1)	1,085 (2.9)	852 (0.9)	1,150 (0.6)	998 (0.4)	940 (0.5)	394 (0.4)	324 (0.3)	34 (0.2)	336 (0.5)	538 (0.6)
Total Nat. Pop.	18,290	44,436	96,950	116,467	99,118	52,831	58,498	8,818	35,315	41,840
Median Nat. Age	29.7	27.8	29.3	29.4	27.1	26.0	26.4	25.9	27.5	28.4
Total Female Pop.	19,301	52,057	111,805	130,019	104,043	55,346	61,553	9,055	36,654	44,270
Median Female Age	30.4	31.6	32.9	34.0	28.3	28.1	28.6	26.8	29.0	30.7
% of Total Pop. -15+	14.2	12.4	12.7	12.3	6.8	7.0	7.2	5.9	7.5	10.8
Mean Family Inc.	\$8,316	\$8,389	\$10,086	\$11,849	\$14,452	\$114,241	\$12,883	\$12,158	\$10,771	\$10,625
Median Family Inc.	\$5,900	\$7,524	\$9,102	\$10,455	\$12,074	\$12,150	\$12,155	\$12,230	\$11,174	\$9,873
No. of Households	12,690	27,146	51,469	65,669	55,775	28,204	31,018	18,025	21,901	5,884
No. of Families	7,754	22,445	51,854	64,775	52,635	26,733	30,144	4,454	21,294	5,759
Average H.H. Size	2.8	3.4	3.9	3.7	3.7	3.7	3.9	4.0	4.0	4.0
Average Fam. Size	3.7	3.5	3.5	3.5	3.7	3.6	3.6	3.9	3.7	3.9
Total No. of Renters	12,394	23,402	35,400	29,967	13,785	6,961	6,527	983	4,439	9,496
Avg. Rent Paid	\$68	\$68	\$59	\$62	\$113	\$109	\$103	\$124	384	\$76
Median Rent Paid	\$58	\$56	\$56	\$68	\$116	\$99	\$89	\$126	\$74	\$67
% of Total Pop. Renting	96.2	86.2	68.8	45.7	25.0	24.7	21.0	22.3	24.6	43.4
Total No. of Home Owners	496	3,744	16,069	35,642	41,425	21,243	24,491	3,427	13,586	12,405
Avg. Value of House	\$11,116	\$10,263	\$13,881	\$17,595	\$22,111	\$22,631	\$23,642	\$23,983	\$19,688	4,028
Median Value of House	\$9,441	\$7,441	\$12,220	\$16,806	\$20,066	\$19,661	\$20,658	\$22,847	\$17,520	\$16,591
% of Total Pop. Own Home	3.8	13.8	31.2	54.3	75.0	75.3	79.0	77.7	75.4	68.5
No. Own 0 Autos. (1)	9,551 (65.5)	15,821 (46.5)	20,645 (29.9)	14,020 (17.5)	3,448 (5.8)	2,097 (6.9)	2,334 (6.8)	294 (6.0)	1,953 (9.2)	4,769 (18.0)
No. Own 1 Auto. (1)	4,159 (20.9)	15,028 (44.2)	37,935 (54.9)	48,054 (59.9)	34,319 (57.7)	16,026 (52.5)	16,961 (49.8)	2,378 (48.5)	11,507 (54.5)	14,321 (53.9)
No. Own 2 Autos. (1)	567 (3.9)	2,916 (8.6)	9,196 (13.3)	15,801 (19.7)	18,452 (31.7)	12,797 (37.5)	1,999 (39.7)	6,616 (31.3)	6,308 (23.8)	1,789 (26.4)
No. Own 3+ Autos. (1)	100 (0.7)	262 (0.8)	1,274 (1.8)	2,322 (2.9)	2,835 (4.8)	1,478 (4.8)	1,990 (5.8)	287 (5.8)	1,043 (4.9)	1,162 (4.4)

TABLE 4-2. JOURNEY-TO-WORK DATA - BUFFALO

SMSA: BUFFALO, N.Y.		PLACE OF RESIDENCE (000)						EMPLOY- MENT DENSITY FOR GRAND TOTALS (PER SQ. MI.)			
		LIVING IN THE SMSA			LIVING OUTSIDE SMSA, WORKING IN IT						
		SMSA TOTAL	URBANIZED AREA U.A. TOTAL	CENTRAL CITY	RURAL AND SCATTERED URBAN	URBAN- IZED RING	GRAND TOTAL				
PLACE OF WORK (000)	S M S A. A. CEN- TRAL CITY	SMSA TOTAL	484	394	163	231	90	12	496	312	
	U R B A R E A T O T AL	URBANIZED AREA TOTAL	434	374	157	217	60	10	444	2,075	
	C E N C T 	CENTRAL CITY TOTAL	216	189	119	70	27	4	220	5,366	
	U R B A R E A T O T AL	URBANIZED AREA TOTAL	40	36	21	15	4	1	41	51,250	
	C B D	CBD	176	153	98	55	23	3	179	4,453	
	O T H E R	OTHER	218	185	38	147	33	6	224	1,295	
HOME- TO- WORK FLOWS	R U R A L & S C A T T E R E D U R B A N	RURAL & SCATTERED URBAN	50	20	6	14	30	2	52	38	
	W O R K I N G O U T S I D E S M S A, L I V I N G I N I T	WORKING OUTSIDE SMSA, LIVING IN IT	7	5	1	4	2		7		
	G R A N D T O T AL	GRAND TOTAL	491	399	164	235	92	12	503		
	W O R K D 	WORKER DENSITY FOR GRAND TOTALS (PER SQ. MI.)	309	1,865	4,000	1,358	67				
DISTRIBU- TION OF WORK TRIPS BY MODE (%)	A U T O D R I V E; A U T O P A S S.	AUTO DRIVER; AUTO PASS.	80%	77%	66%	85%	90%	92%	80%		
	P U B L I C T R A N S P O R T A T I O N	PUBLIC TRANSPORTATION	10	12	21	6	1	0	10		
	W A L K; W O R K A T H O M E	WALK; WORK AT HOME	9	9	12	8	7	0	9		
	T A X I; O T H E R	TAXI; OTHER	1	2	1	1	2	8	1		

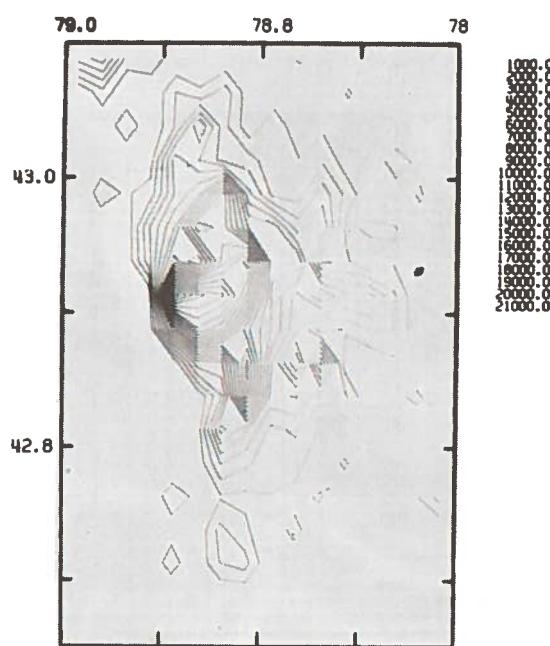
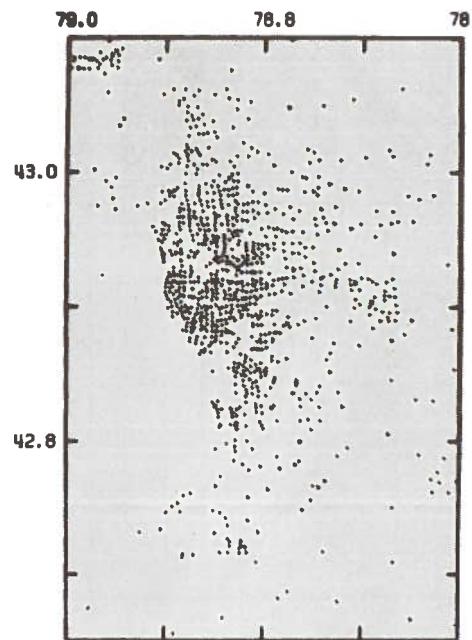
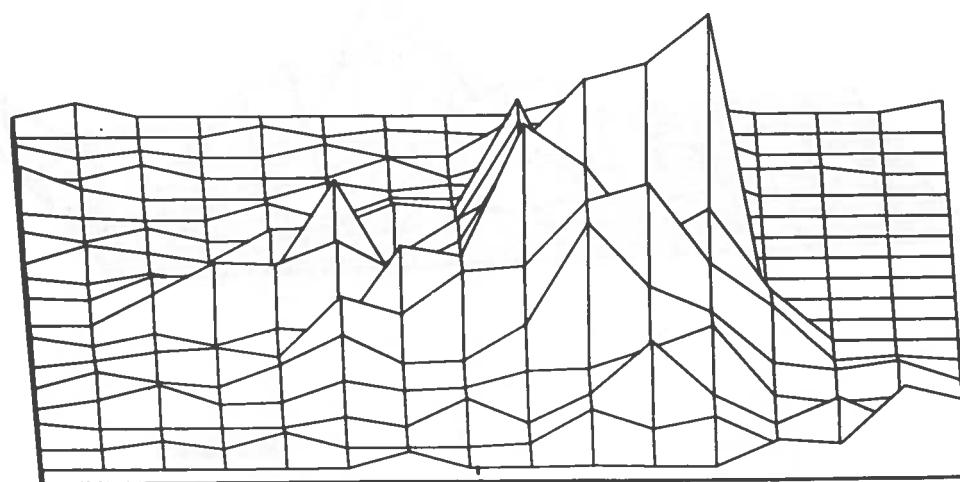
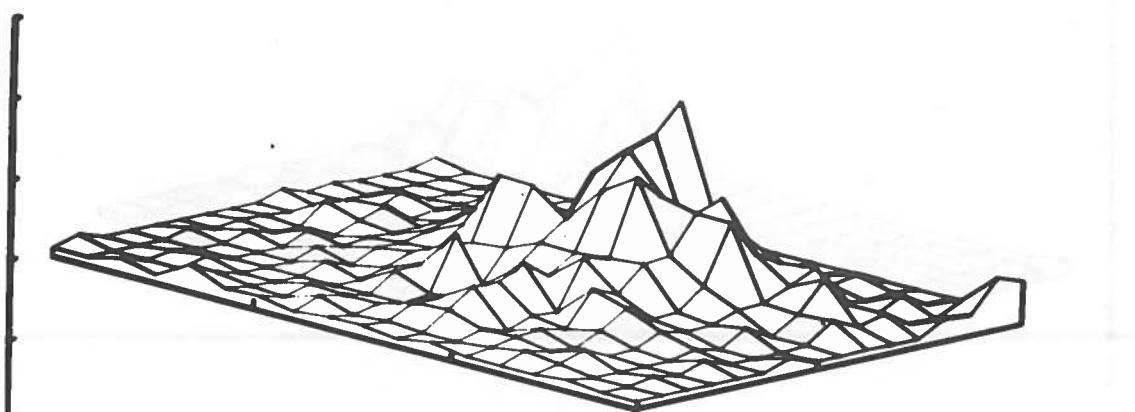


Figure 4-1. Population Density Plots - Dot and Contour Maps - Buffalo

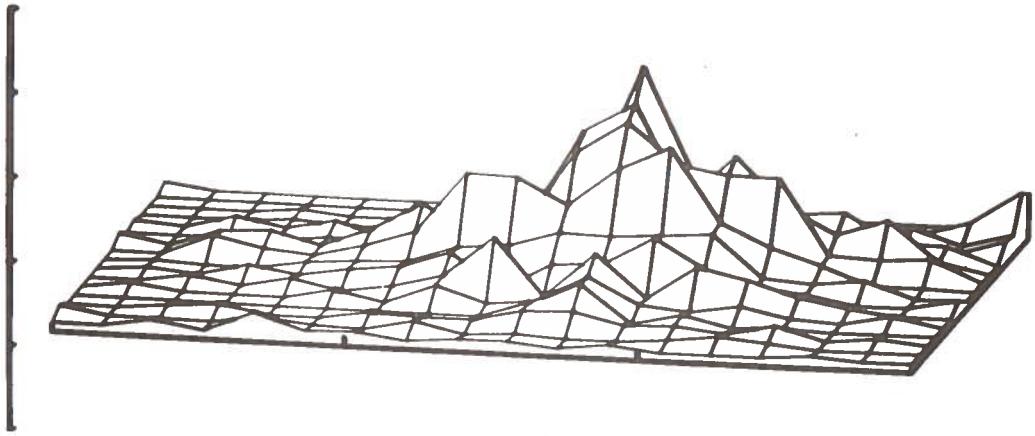


0.0 DEGREES

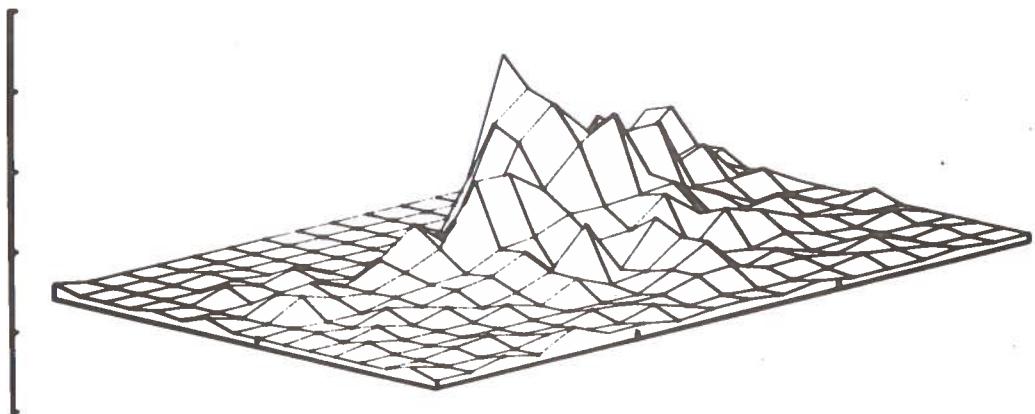


45.0 DEGREES

Figure 4-2. Population Density Plots - Isometric Views
(0° , 45°) - Buffalo

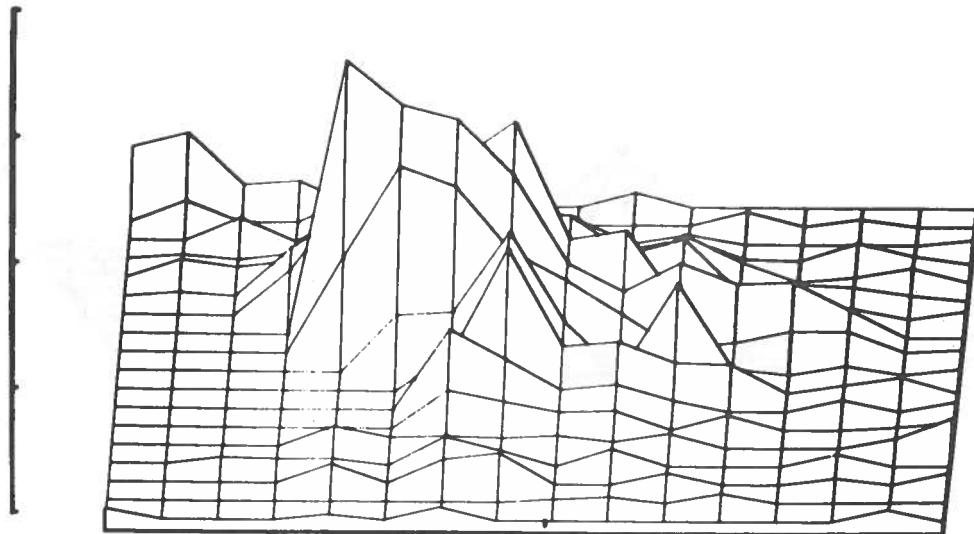


90.0 DEGREES

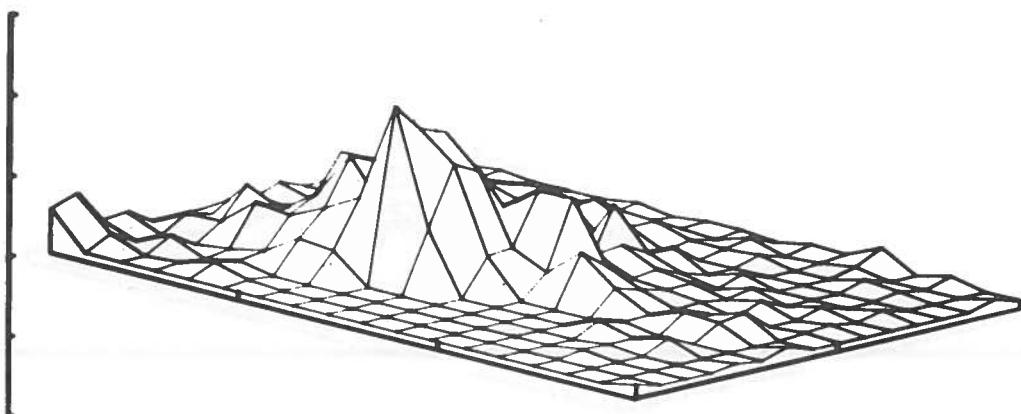


135.0 DEGREES

Figure 4-3. Population Density Plots - Isometric Views
(90°, 135°) - Buffalo

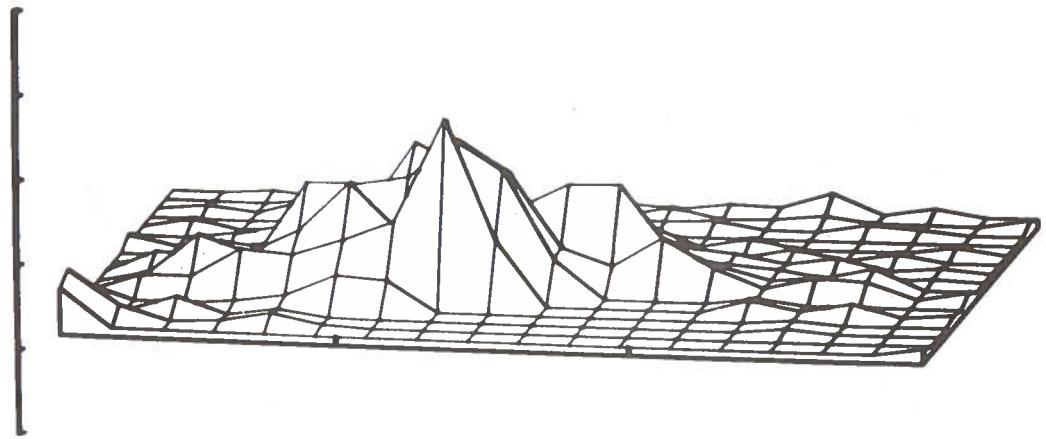


180.0 DEGREES

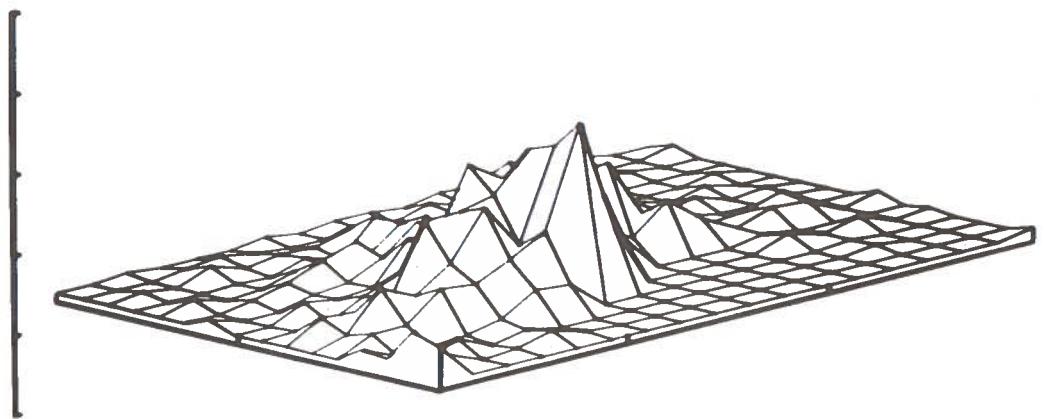


225.0 DEGREES

Figure 4-4. Population Density Plots - Isometric Views
(180°, 225°) - Buffalo



270.0 DEGREES



315.0 DEGREES

Figure 4-5. Population Density Plots - Isometric Views
(270° , 315°) - Buffalo

5. CHICAGO, ILLINOIS*

*See Notes, Section 3.2.

TABLE 5-1. SOCIO-ECONOMIC DATA BY URBAN RING - CHICAGO

URBAN CHARACTERISTICS	CITY TRACTS BY INNER & OUTER RADII		TOTAL POP.		LAND AREA (SQ. MI.)		POP. DENSITY		{ LATITUDE: 41° 53' 0" LONGITUDE: 87° 37' 30"	
	CITY: CHICAGO, ILL. U.A. RANK: 3	SHAG, URBANIZED AREA: CENTRAL CITY: CBP:	6,918,000 6,714,576 3,359,000 3,4,826	3,770 1,227 225 1.55	1,876 5,224 3,113	0.0 MI. PIVOT POINT:	14.0 - 16.0 MI. 12.0 - 14.0 MI. 8.0 - 10.0 MI. 6.0 - 8.0 MI. 4.0 - 6.0 MI. 2.0 - 4.0 MI. 1.0 - 2.0 MI. 0.0 - 1.0 MI.	14.0 - 16.0 MI. 12.0 - 14.0 MI. 8.0 - 10.0 MI. 6.0 - 8.0 MI. 4.0 - 6.0 MI. 2.0 - 4.0 MI. 1.0 - 2.0 MI. 0.0 - 1.0 MI.	16.0 - 18.0 MI. 14.0 - 16.0 MI. 12.0 - 14.0 MI. 10.0 - 12.0 MI. 8.0 - 10.0 MI. 6.0 - 8.0 MI. 4.0 - 6.0 MI. 2.0 - 4.0 MI.	
Total Pop. (%)	15,016 (100.0)	70,4889 (100.0)	44,541 (100.0)	817,694 (100.0)	825,929 (100.0)	823,735 (100.0)	647,035 (100.0)	504,131 (100.0)	261,226 (100.0)	255,479 (100.0)
White Pop. (%)	13,640 (90.4)	47,991 (66.4)	307,907 (69.3)	452,202 (55.3)	583,168 (70.6)	596,648 (72.4)	524,529 (81.7)	460,442 (91.4)	351,106 (93.9)	245,614 (94.0)
Black Pop. (%)	954 (6.4)	27,985 (32.4)	125,859 (27.9)	352,112 (13.1)	250,109 (27.9)	221,218 (26.8)	115,879 (17.7)	41,997 (8.2)	21,101 (5.6)	14,351 (5.5)
Span. (1 of white)	267 (1.6)	6,245 (8.8)	94,479 (21.3)	79,458 (9.7)	31,105 (3.8)	12,156 (1.5)	23,035 (3.6)	11,258 (2.2)	6,618 (1.8)	4,116 (1.5)
Other (%)	422 (2.8)	813 (1.1)	12,755 (2.9)	13,350 (1.6)	12,652 (1.5)	5,959 (0.7)	5,527 (0.5)	2,492 (0.5)	1,788 (0.5)	1,263 (0.5)
Total Male Pop.	9,118	33,913	214,343	391,991	389,012	384,633	308,537	241,641	183,116	127,270
Median Male Age	48.4	33.2	25.6	425,703	30,0	32,3	30,1	29,4	27,0	25.2
Total Female Pop.	5,898	36,976	230,198	29.1	436,917	439,102	333,498	263,990	190,879	149,570
Median Female Age	50.3	29.1	27.2	27.5	35.6	36.3	33.2	32.1	28.9	26.3
% of Total Pop. - 65+	18.7	11.6	8.8	9.3	12.5	9.4	9.4	6.6	7.5	5.5
Mean Family Inc.	\$24,209	\$19,110	\$9,691	\$9,498	\$11,113	\$12,235	\$14,044	\$15,002	\$16,489	\$15,365
Median Family Inc.	\$19,106	\$10,119	\$6,276	\$8,524	\$10,124	\$12,865	\$13,433	\$14,060	\$13,988	\$13,603
No. of Households	9,032	28,118	130,515	232,460	246,257	248,095	177,810	138,213	99,762	78,958
No. of Families	2,231	13,997	99,377	188,631	212,260	221,590	168,816	129,569	95,882	73,871
Average H.H. Size	1.4	2.4	3.8	3.6	3.5	3.5	3.6	3.6	3.6	3.6
Average Fam. Size	2.3	3.4	3.7	3.8	3.3	3.3	3.6	3.6	3.7	3.8
Total No. of Renters	9,032	27,922	125,324	206,870	205,012	152,353	60,448	41,861	25,443	20,074
Avg. Rent Paid	\$176	\$170	\$96	\$99	\$111	\$129	\$136	\$130	\$144	\$134
Median Rent Paid	\$154	\$143	\$78	\$94	\$114	\$128	\$145	\$138	\$154	\$137
% of Total Pop. Renting	100.0	99.3	96.0	93.0	83.3	61.4	54.0	30.3	25.5	24.3
Total No. of Home Owners	0	196	5,191	15,590	41,245	95,742	117,362	96,352	74,319	51,197
Avg. Value of House	\$0.0	\$46,301	\$17,088	\$16,655	\$21,000	\$25,579	\$26,648	\$28,226	\$31,677	\$31,198
Median Value of House	\$0.0	\$350,000*	\$13,768	\$15,473	\$19,811	\$23,242	\$24,125	\$25,659	\$28,407	\$27,932
% of Total Pop. Own Home	0.0	0.7	4.0	7.0	16.7	38.6	66.0	69.7	74.5	75.7
No. Own 0 Autos. (1)	6,192 (66.0)	18,920 (61.2)	80,811 (53.5)	131,696 (49.3)	117,547 (39.4)	76,288 (26.5)	29,105 (14.8)	18,449 (12.2)	5,592 (7.3)	5,008 (6.0)
No. Own 1 Auto. (1)	2,596 (24.5)	10,355 (33.5)	61,093 (40.4)	113,019 (44.8)	149,550 (50.1)	157,150 (54.5)	108,819 (55.2)	78,996 (52.1)	36,753 (48.4)	40,518 (48.8)
No. Own 2 Autos. (1)	290 (3.2)	1,414 (4.6)	8,167 (5.4)	17,463 (6.6)	28,011 (9.4)	43,631 (16.9)	51,758 (26.2)	47,359 (31.2)	41,151 (37.9)	35,272 (39.3)
No. Own 3+ Autos. (1)	34 (0.4)	235 (0.8)	1,074 (0.7)	2,070 (0.8)	3,234 (1.1)	6,350 (2.2)	7,462 (3.8)	6,808 (4.5)	4,474 (5.9)	5,282 (6.4)

TABLE 5-2. JOURNEY-TO-WORK DATA - CHICAGO

SMSA: CHICAGO, ILL. - N.W. IND. (CONSOL. AREA)		PLACE OF RESIDENCE (000)						EMPLOY- MENT DENSITY FOR GRAND TOTALS (PER SQ. MI.)	
		LIVING IN THE SMSA			LIVING OUTSIDE SMSA, WORKING IN IT				
		SMSA TOTAL	U.R.B. NIZED AREA TOTAL	U.R.B. NIZED CITY TOTAL	RURAL AND SCATTERED URBAN	LIVING OUTSIDE SMSA, WORKING IN IT			
PLACE OF WORK (000)	S U. S M S A.	SMSA TOTAL	2989	2833	1448	1385	55	3044	
	CEN-TRAL CITY	URBANIZED AREA TOTAL	2819	2703	1429	1274	37	2856	
	CBD	CENTRAL CITY	1648	1582	1224	358	66	1665	
	OTHER	OTHER	250	241	160	81	9	252	
	URBANIZED RING	URBANIZED RING	1398	1341	1064	277	57	1413	
	RURAL & SCATTERED URBAN	RURAL & SCATTERED URBAN	1171	1121	205	916	50	1119	
	WORKING OUTSIDE SMSA, LIVING IN IT	WORKING OUTSIDE SMSA, LIVING IN IT	170	130	19	111	40	188	
	GRAND TOTAL	GRAND TOTAL	3016	2853	1455	1398	7	27	
	WORKER DENSITY FOR GRAND TOTALS (PER SQ. MI.)	WORKER DENSITY FOR GRAND TOTALS (PER SQ. MI.)	648	2,025	4,834	1,262	50	3071	
	AUTO DRIVER; AUTO PASS.	AUTO DRIVER; AUTO PASS.	68%	67%	55%	79%	82%	85%	
DISTRIBU- TION OF WORK TRIPS BY MODE (%)	PUBLIC TRANSPORTATION	PUBLIC TRANSPORTATION	20	21	33	9	9	9	
	WALK; WORK AT HOME	WALK; WORK AT HOME	9	9	10	9	6	2	
	TAXI; OTHER	TAXI; OTHER	3	3	2	3	3	4	
								3	

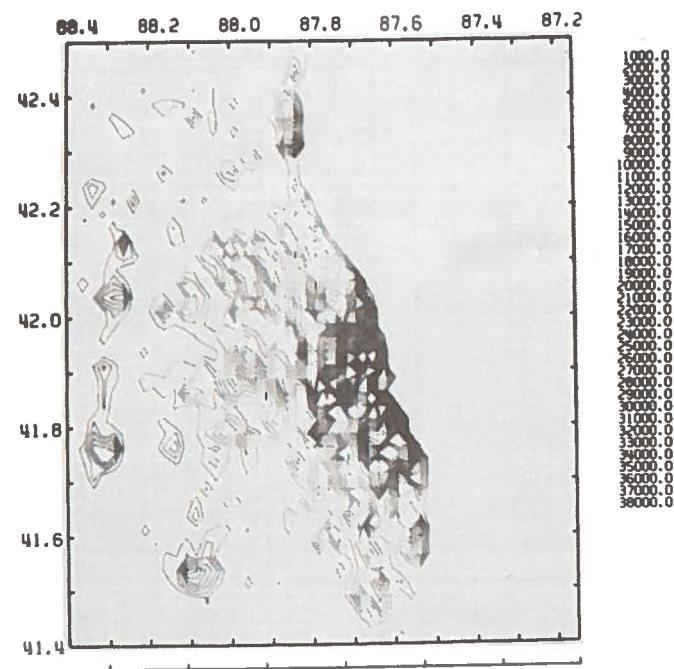
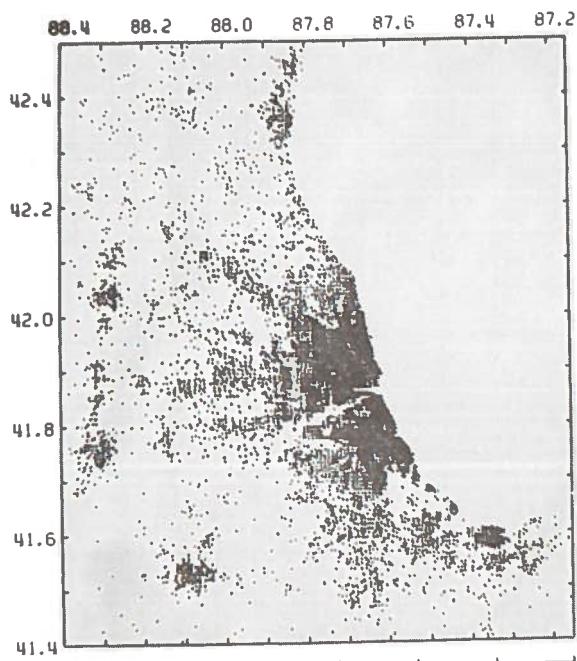
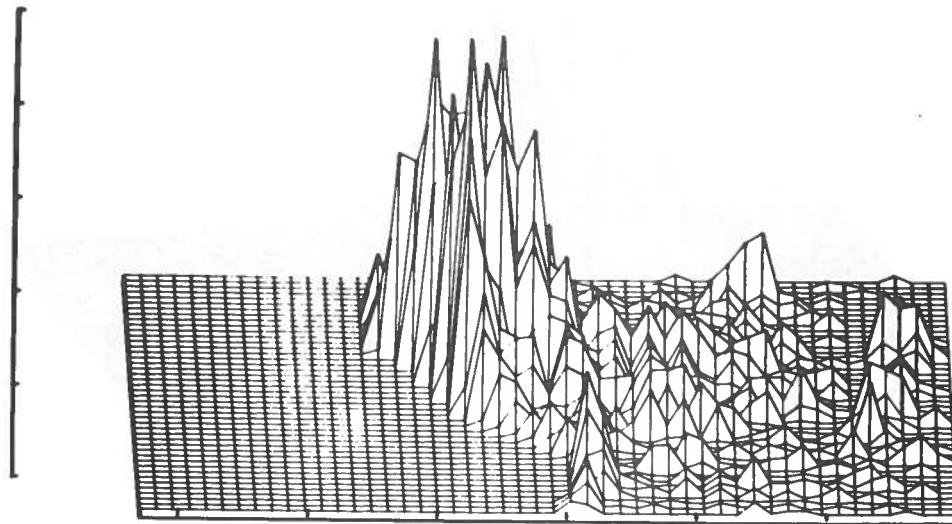
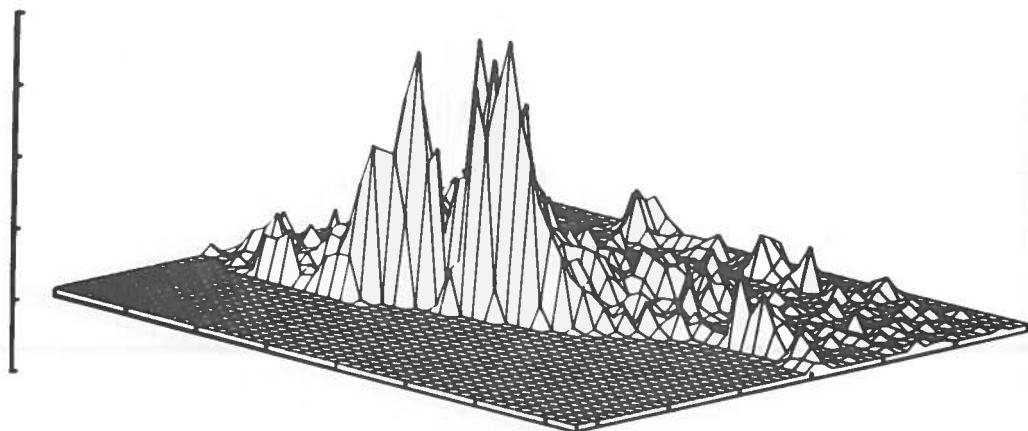


Figure 5-1. Population Density Plots - Dot and Contour Maps - Chicago

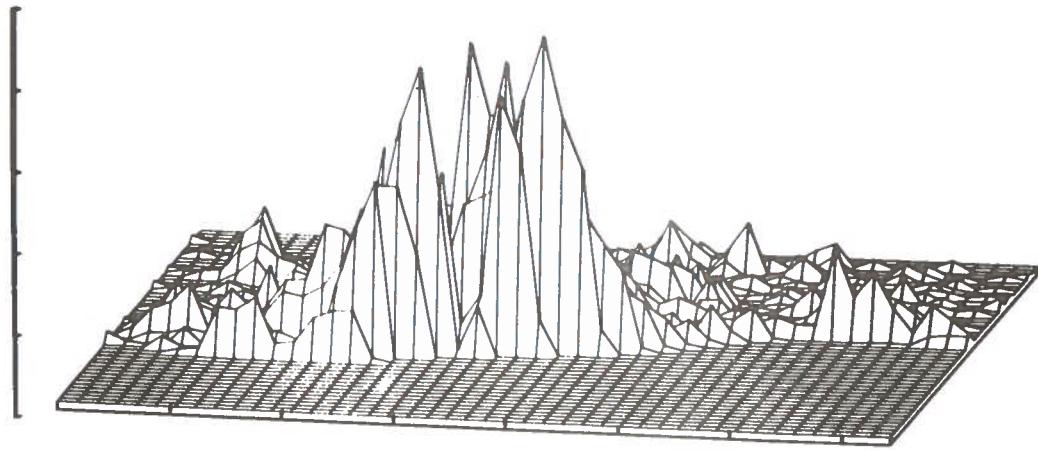


0.0 DEGREES

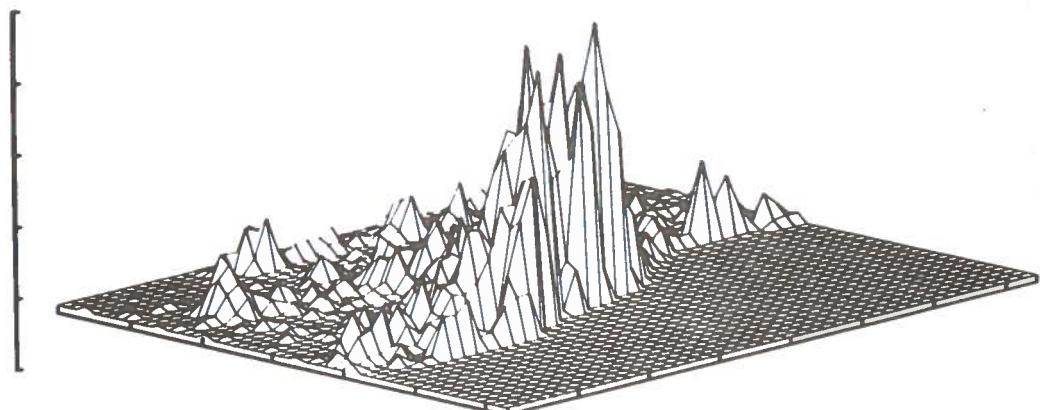


45.0 DEGREES

Figure 5-2. Population Density Plots - Isometric Views
(0° , 45°) - Chicago

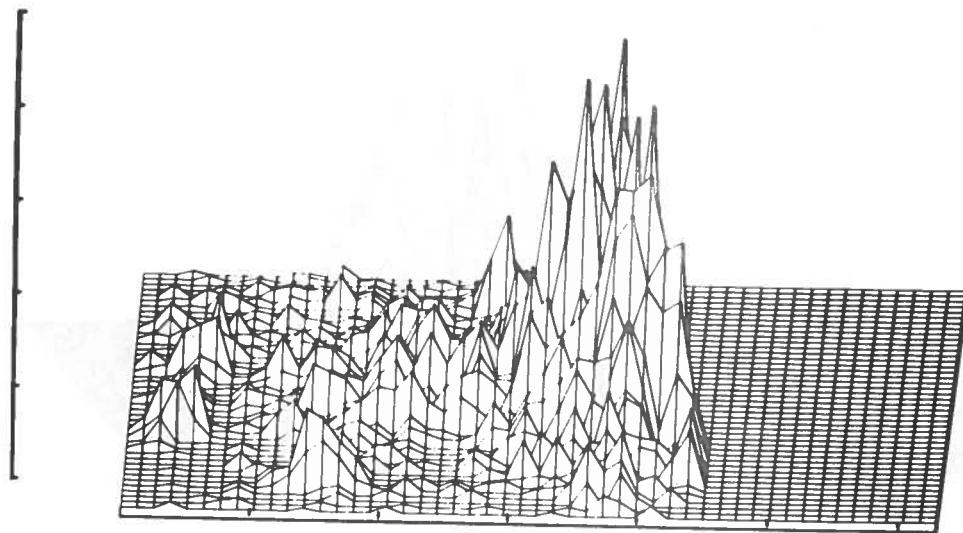


90.0 DEGREES

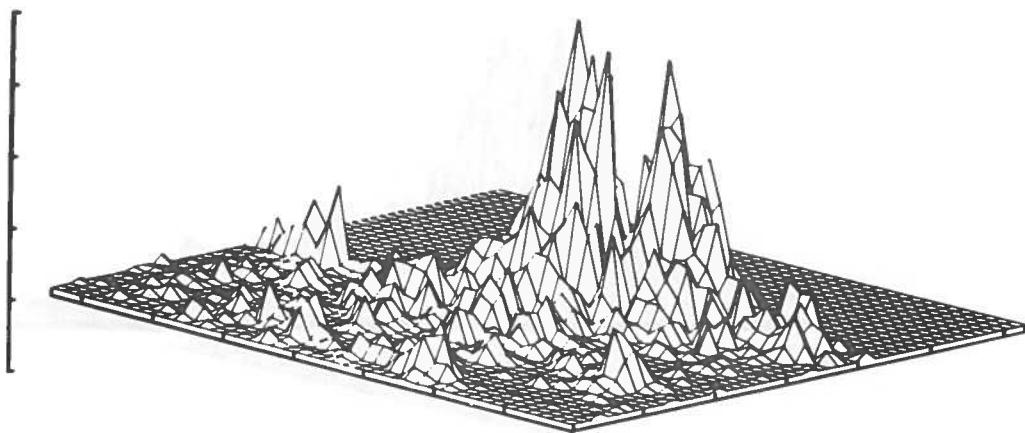


135.0 DEGREES

Figure 5-3. Population Density Plots - Isometric Views
(90° , 135°) - Chicago

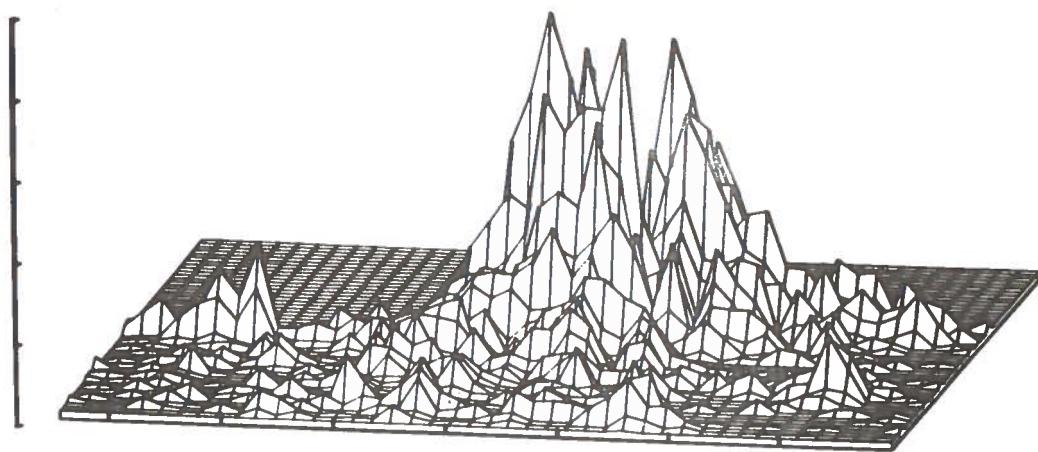


180.0 DEGREES

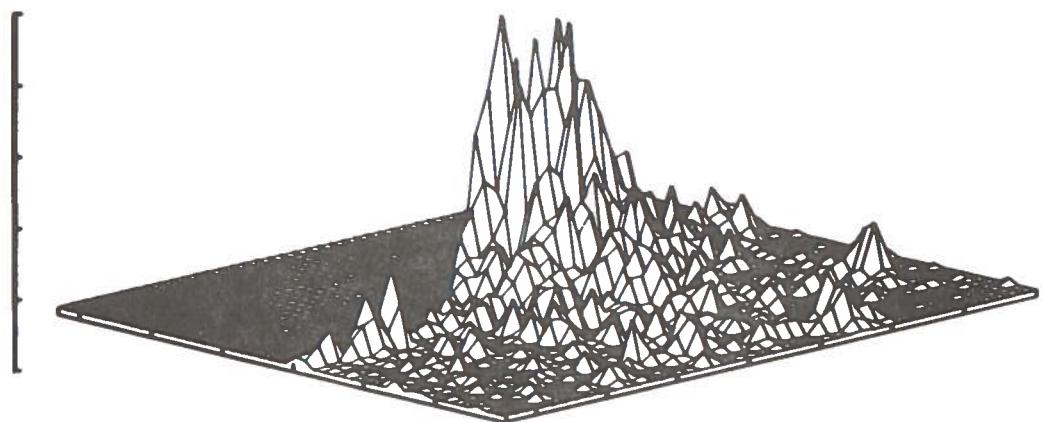


225.0 DEGREES

Figure 5-4. Population Density Plots - Isometric Views
(180° , 225°) - Chicago



270.0 DEGREES



315.0 DEGREES

Figure 5-5. Population Density Plots - Isometric Views
(270° , 315°) - Chicago

6. CINCINNATI, OHIO

TABLE 6-1. SOCIO-ECONOMIC DATA BY URBAN RING - CINCINNATI

URBAN CHARACTERISTICS	CITY TRACTS BY INNER & OUTER RADII	CITY: CINCINNATI, OHIO U. A. RANK: 21	TOTAL POP.		LAND AREA (Sq. Mi.)		POP. DENSITY		LATITUDE: 39° LONGITUDE: 84° 48'	
			1,185,000 1,140,455 455,015 3,475	2,150 335 78 0.787	644 3,343 5,786 4,412	14.0 - 16.0 MI. 1.2 - 2.0 MI. 8.0 - 10.0 MI. 10.0 - 12.0 MI.	14.0 - 16.0 MI. 1.2 - 2.0 MI. 8.0 - 10.0 MI. 10.0 - 12.0 MI.	16.0 - 18.0 MI. 1.2 - 2.0 MI. 8.0 - 10.0 MI. 10.0 - 12.0 MI.	18.0 - 20.0 MI. 1.2 - 2.0 MI. 8.0 - 10.0 MI. 10.0 - 12.0 MI.	
Total Pop. (1)	19,673 (100.0)	105,885 (100.0)	206,129 (100.0)	244,791 (100.0)	154,916 (100.0)	133,672 (100.0)	98,526 (100.0)	14,477 (100.0)	52,248 (100.0)	
White Pop. (1)	9,941 (50.5)	74,273 (70.2)	151,167 (73.3)	185,188 (72.7)	221,466 (90.9)	147,856 (95.4)	123,382 (92.2)	96,033 (97.5)	14,288 (98.7)	
Black Pop. (1)	9,559 (48.6)	51,268 (29.5)	54,072 (26.2)	13,004 (6.9)	21,124 (8.8)	6,484 (4.3)	10,122 (7.6)	2,277 (2.3)	159 (1.1)	
Span. (1 of white)	0 (0.0)	304 (0.3)	708 (0.3)	942 (0.5)	1,181 (0.5)	403 (0.3)	829 (0.6)	498 (0.5)	89 (0.1)	
Other (1)	173 (0.9)	294 (0.4)	890 (0.4)	805 (0.4)	901 (0.4)	418 (0.3)	268 (0.2)	216 (0.2)	70 (0.1)	
Total Male Pop.	9,640	49,505	95,254	93,550	115,006	75,315	65,950	48,951	7,134	
Median Male Age	38.1	25.7	26.4	27.6	27.3	26.8	25.3	25.4	35,861	
Total Female Pop.	10,033	56,330	110,875	107,347	129,785	79,601	67,772	49,775	37,250	
Median Female Age	38.0	29.4	30.0	32.5	30.9	29.3	25.2	24.7	27.2	
% of Total Pop.-65+	16.9	12.2	12.2	12.9	10.8	8.0	5.4	4.7	7.7	
Mean Family Inc.	\$5,878	\$7,378	\$9,734	\$11,908	\$12,352	\$13,677	\$14,055	\$12,930	\$11,078	
Median Family Inc.	\$4,406	\$6,752	\$8,594	\$10,146	\$11,204	\$12,034	\$12,064	\$10,728	\$10,612	
No. of Households	9,375	33,017	62,134	60,481	71,831	43,434	32,116	24,316	31,098	
No. of Families	3,802	24,695	48,250	52,214	63,150	39,898	32,724	24,953	33,346	
Average H.H. Size	2.0	3.2	3.2	3.3	3.3	4.1	4.0	4.3	3.7	
Average Fam. Size	3.4	3.6	3.6	3.4	3.5	3.7	3.9	3.7	3.9	
Total No. of Renters	9,104	24,717	39,297	30,560	27,728	10,766	5,076	4,671	2,640	
Avg. Rent Paid	\$61	\$60	\$78	\$95	\$101	\$98	\$102	\$112	\$77	
Median Rent Paid	\$54	\$54	\$62	\$81	\$93	\$92	\$114	\$77	\$73	
% of Total Pop. Renting	99.3	74.9	63.2	50.6	24.8	15.8	19.2	18.2	19.4	
Total No. of Home Owners	69	8,300	22,837	29,891	44,103	32,688	27,094	19,645	2,737	
Avg. Value of House	\$17,554	\$11,077	\$16,399	\$19,809	\$21,536	\$23,230	\$24,090	\$22,121	\$19,540	
Median Value of House	\$12,227	\$10,230	\$14,319	\$17,428	\$18,939	\$19,720	\$19,629	\$18,558	\$17,520	
% of Total Pop. Own Home	0.7	25.1	36.8	49.4	61.4	75.2	84.2	80.8	81.8	
No. Own 0 Auto. (1)	7,373 (75.6)	17,326 (46.8)	21,427 (30.9)	12,479 (18.4)	9,935 (12.9)	3,387 (7.4)	1,713 (4.9)	1,034 (3.9)	224 (5.4)	
No. Own 1 Auto. (1)	2,007 (20.6)	15,056 (40.6)	32,674 (47.7)	33,944 (50.0)	36,097 (46.8)	19,517 (42.5)	13,252 (37.5)	10,292 (39.0)	1,602 (38.7)	
No. Own 2 Autos. (1)	501 (3.1)	4,010 (10.8)	12,950 (18.3)	18,055 (26.6)	26,411 (34.2)	19,596 (42.7)	16,864 (47.8)	12,738 (48.2)	1,987 (48.0)	
No. Own 3+ Autos. (1)	73 (0.7)	648 (1.7)	2,500 (3.6)	3,400 (5.0)	4,704 (6.1)	3,387 (7.4)	3,485 (9.9)	2,359 (8.9)	324 (7.8)	

TABLE 6-2. JOURNEY-TO-WORK DATA - CINCINNATI

				PLACE OF RESIDENCE (000)				EMPLOY- MENT DENSITY FOR GRAND TOTALS (PER SQ. MI.)	
				LIVING IN THE SMSA		LIVING OUTSIDE SMSA, WORKING IN IT			
				URBANIZED AREA	RURAL AND SCATTERED URBAN	LIVING OUTSIDE SMSA, WORKING IN IT			
SMSA TOTAL	SMSA TOTAL	U.A. TOTAL	CENTRAL CITY	URBAN- IZED RING	RURAL SCATTERED	LIVING OUTSIDE SMSA, WORKING IN IT			
S M S M	U. CEN- TRAL CITY	486	396	168	228	90	30	516	
PLACE OF WORK (000)	A. CBD	428	372	163	209	56	26	454	
HOME- TO- WORK FLOWS	S. CITY	251	225	126	99	26	11	262	
DISTRIBUTION OF WORK TRIPS BY MODE (%)	M. OTHER	50	43	22	21	7	3	53	
	A. CBD	201	182	104	78	19	8	66,250	
	OTHER	177	147	37	110	30	15	192	
	RURAL & SCATTERED URBAN	58	24	5	19	54	4	62	
	WORKING OUTSIDE SMSA, LIVING IN IT	24	19	3	16	5		34	
	GRAND TOTAL	510	415	171	244	95	30	24	
	WORKER DENSITY FOR GRAND TOTALS (PER SQ. MI.)	237	1,239	2,192	949	52		540	
	AUTO DRIVER; AUTO PASS.	83%	81%	75%	85%	93%	93%	84%	
	PUBLIC TRANSPORTATION	8	9	14	6	1	0	7	
	WALK; WORK AT HOME	7	8	9	7	4	3	7	
	TAXI; OTHER	2	2	2	2	2	4	2	

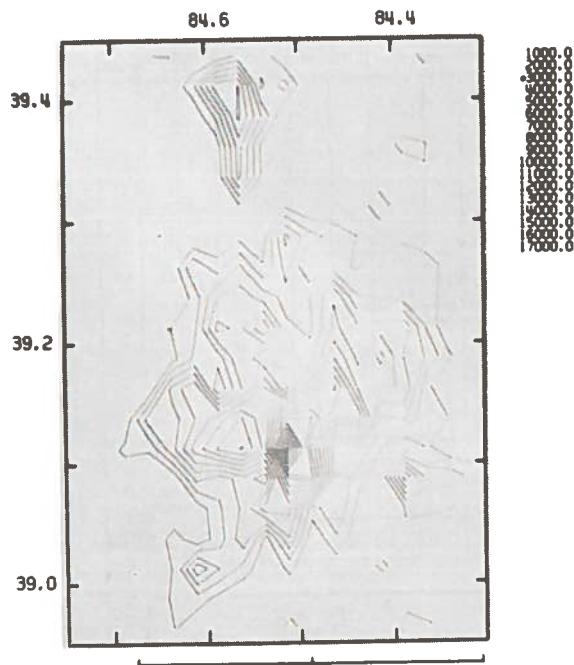
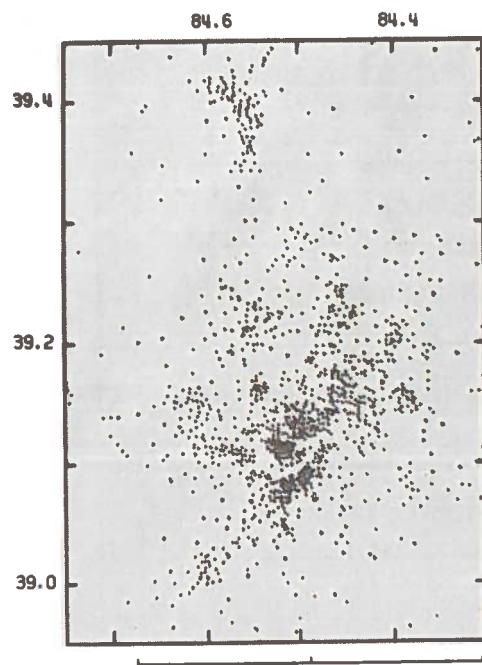
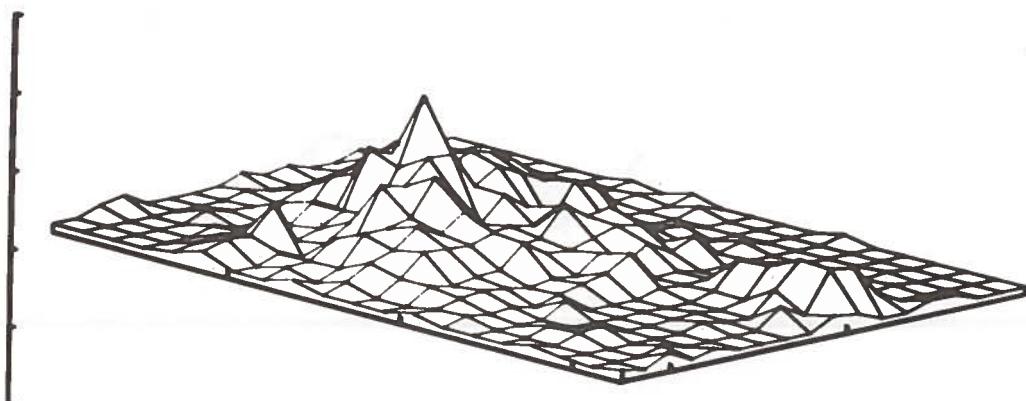


Figure 6-1. Population Density Plots - Dot and Contour Maps - Cincinnati

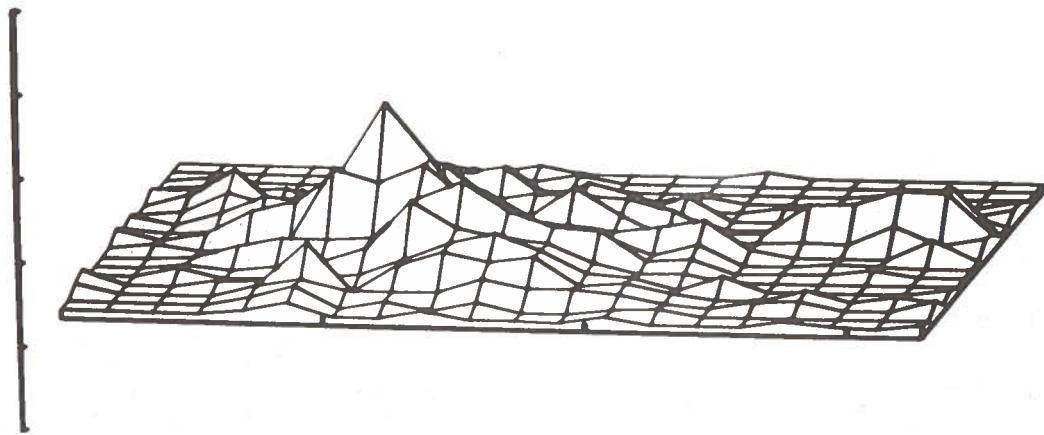


0.0 DEGREES

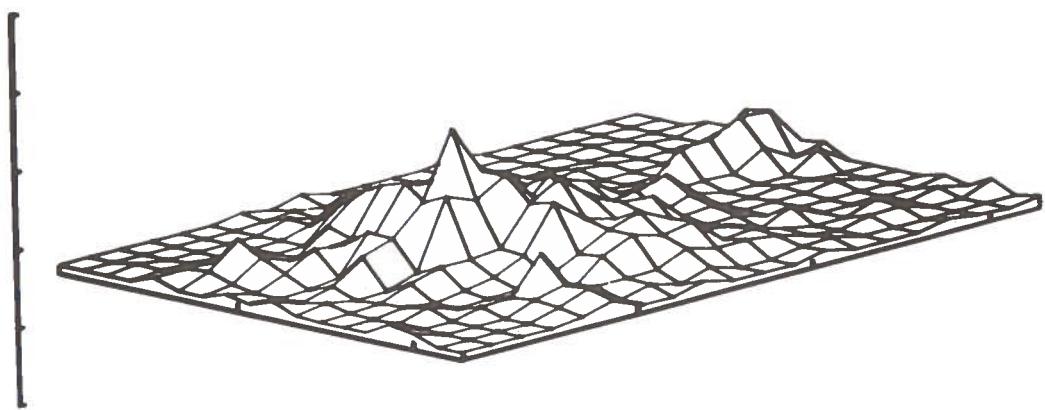


45.0 DEGREES

Figure 6-2. Population Density Plots - Isometric Views
 $(0^\circ, 45^\circ)$ - Cincinnati

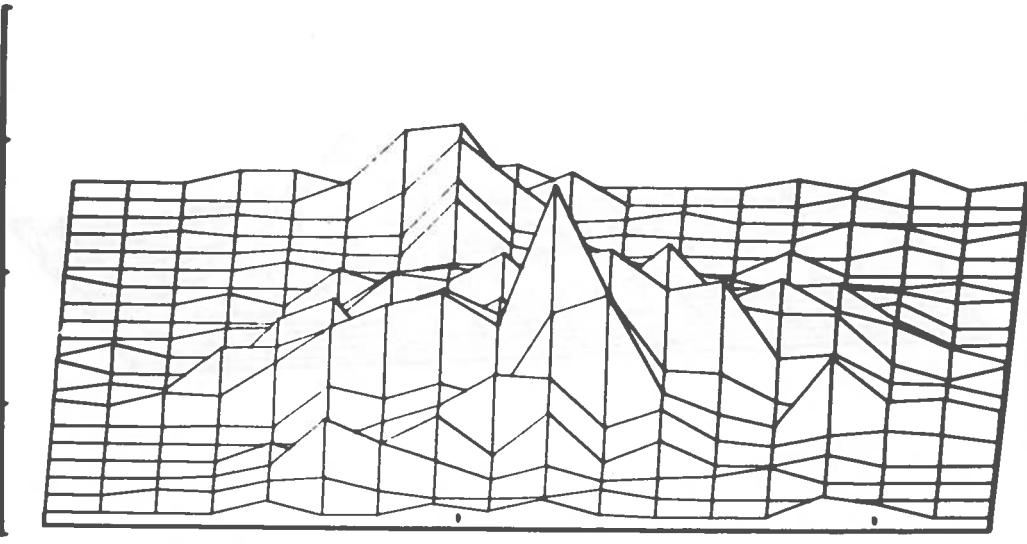


90.0 DEGREES

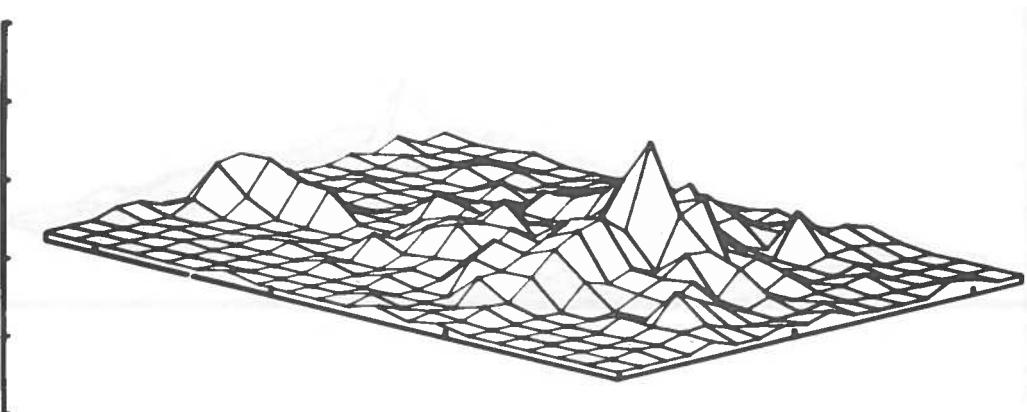


135.0 DEGREES

Figure 6-3. Population Density Plots - Isometric Views
(90° , 135°) - Cincinnati

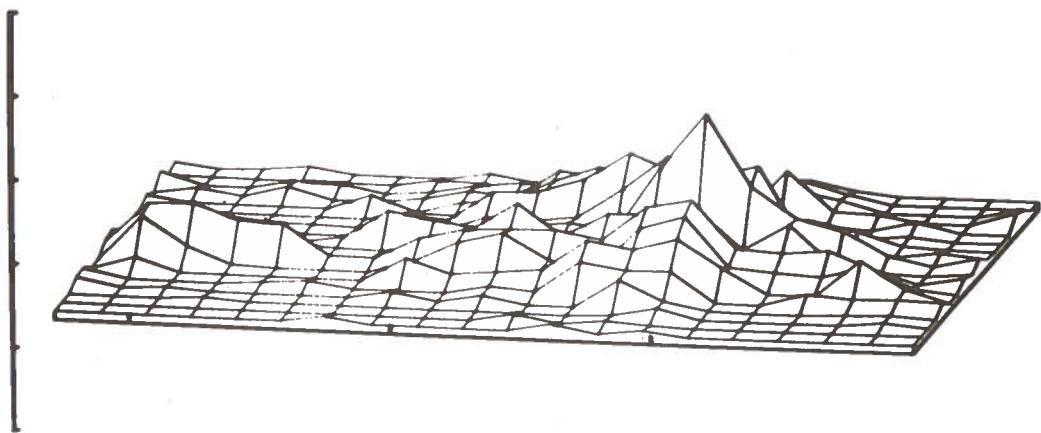


180.0 DEGREES

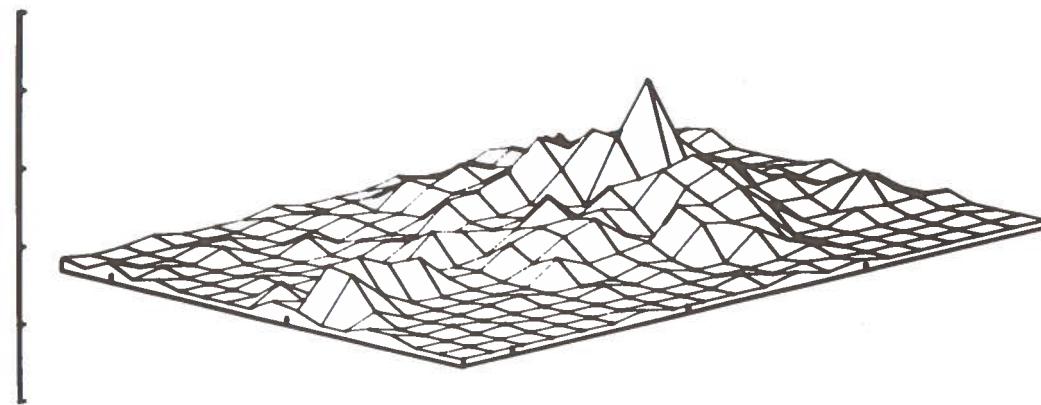


225.0 DEGREES

Figure 6-4. Population Density Plots - Isometric Views
(180°, 225°) - Cincinnati



270.0 DEGREES



315.0 DEGREES

Figure 6-5. Population Density Plots - Isometric Views
(270° , 315°) - Cincinnati

7. CLEVELAND, OHIO

TABLE 7-1. SOCIO-ECONOMIC DATA BY URBAN RING - CLEVELAND

CITY TRACTS BY INNER & OUTER RADII	CITY: CLEVELAND, OHIO U. S. RANK: 9	TOTAL POP.		LAND AREA (sq. mi.)		POP. DENSITY	
		SIXTEEN URBAN CENTRAL (UTT)		5,111		1,351	
		0.0 - 1.0 mi.	1.0 - 2.0 mi.	2.0 - 4.0 mi.	4.0 - 6.0 mi.	6.0 - 8.0 mi.	8.0 - 10.0 mi.
Total Pop. (1)	7,972 (100.0)	55,656 (100.0)	248,456 (100.0)	290,049 (100.0)	409,250 (100.0)	330,295 (100.0)	190,131 (100.0)
White Pop. (1)	6,882 (66.1)	49,816 (89.5)	169,422 (68.2)	185,224 (63.9)	299,507 (73.2)	299,729 (90.7)	186,947 (98.3)
Black Pop. (1)	960 (12.0)	5,165 (9.3)	77,465 (31.2)	103,243 (35.6)	107,631 (36.3)	29,218 (8.8)	2,417 (1.3)
Span. (% of white)	482 (6.0)	5,899 (10.6)	3,633 (1.5)	1,646 (0.6)	2,672 (0.7)	1,731 (0.5)	872 (0.5)
Other (1)	150 (1.9)	675 (1.2)	1,569 (0.6)	1,582 (0.5)	2,112 (0.5)	1,348 (0.4)	767 (0.4)
Total White Pop.	3,881	27,946	117,379	135,533	192,890	158,494	92,715
Median White Age	31.9	26.3	27.9	27.7	29.0	29.6	81,972
Median Female Age	4,091	32.3	32.0	31.0	31.9	32.3	29,2
% of Total Pop. 65+	18.1%	9.0%	11.2	11.5	10.5	9.4	25.9
Mean Family Inc.	\$6,374	\$8,064	\$9,224	\$10,582	\$11,681	\$14,977	\$15,560
Median Family Inc.	\$4,930	\$7,552	\$8,649	\$9,613	\$11,290	\$13,117	\$13,270
No. of Households	2,873	15,932	73,795	84,021	118,108	96,572	55,227
No. of Families	1,595	12,115	60,257	72,172	106,514	87,536	42,925
Average H.H. Size	2.5	3.4	3.3	3.4	3.4	3.4	3.5
Average Fam. Size	3.5	3.6	3.6	3.5	3.5	3.5	3.6
Total No. of Renters	2,734	13,490	54,442	49,470	49,807	23,800	16,479
Avg. Rent Paid	\$62	\$74	\$80	\$88	\$103	\$141	\$13,541
Median Rent Paid	\$56	\$61	\$62	\$70	\$90	\$136	\$12,442
% of Total Pop. Renting	95.2	88.7	73.8	58.9	42.2	24.6	55.1
Total No. of Home Owners	139	2,442	19,354	34,551	68,101	72,772	58,746
Avg. Value of House	\$10,845	\$10,695	\$15,185	\$19,932	\$23,766	\$12,632	\$30,076
Median Value of House	\$11,168	\$10,392	\$14,625	\$18,679	\$21,849	\$24,525	\$27,771
% of Total Pop. Own Home	4.8	15.3	26.2	41.1	57.8	75.4	70.2
No. Own Auto. (1)	1,947 (62.8)	8,093 (44.1)	31,180 (36.5)	28,594 (29.4)	22,165 (16.6)	7,930 (7.6)	2,911 (5.0)
No. Own 1 Auto. (1)	971 (31.3)	7,720 (42.2)	39,035 (46.6)	45,970 (42.3)	66,089 (50.2)	25,504 (43.8)	6,637 (5.8)
No. Own 2 Autos. (1)	146 (4.7)	2,218 (12.1)	19,710 (20.3)	38,164 (28.6)	40,059 (40.1)	25,344 (43.5)	6,196 (40.3)
No. Own 3+ Autos. (1)	37 (1.2)	338 (1.8)	2,127 (2.5)	2,982 (3.1)	6,100 (4.6)	6,411 (6.3)	2,467 (10.1)

TABLE 7-2. JOURNEY-TO-WORK DATA - CLEVELAND

SMSA: CLEVELAND, OHIO		PLACE OF RESIDENCE (000)								EMPLOY- MENT DENSITY FOR GRAND TOTALS (PER SQ. MI.)			
		LIVING IN THE SMSA				LIVING OUTSIDE SMSA, WORKING IN IT							
		URBANIZED AREA		RURAL AND SCATTERED URBAN		RURAL AND SCATTERED URBAN		RURAL AND SCATTERED URBAN					
SMSA TOTAL	SMSA TOTAL	SMSA TOTAL	U.A. TOTAL	U.A. CENTRAL CITY	URBANIZED RING	RURAL AND SCATTERED URBAN	RURAL AND SCATTERED URBAN	RURAL AND SCATTERED URBAN	RURAL AND SCATTERED URBAN	823	542		
U. S. M. S. A.	U. S. M. S. A.	U. S. M. S. A.	U. S. M. S. A.	U. S. M. S. A.	U. S. M. S. A.	U. S. M. S. A.	U. S. M. S. A.	U. S. M. S. A.	U. S. M. S. A.	796	1,232		
PLACE OF WORK (000)	PLACE OF WORK (000)	PLACE OF WORK (000)	PLACE OF WORK (000)	PLACE OF WORK (000)	PLACE OF WORK (000)	PLACE OF WORK (000)	PLACE OF WORK (000)	PLACE OF WORK (000)	PLACE OF WORK (000)	796	1,232		
HOME-TO-WORK FLOWS	HOME-TO-WORK FLOWS	HOME-TO-WORK FLOWS	HOME-TO-WORK FLOWS	HOME-TO-WORK FLOWS	HOME-TO-WORK FLOWS	HOME-TO-WORK FLOWS	HOME-TO-WORK FLOWS	HOME-TO-WORK FLOWS	HOME-TO-WORK FLOWS	796	1,232		
GRAND TOTAL	GRAND TOTAL	GRAND TOTAL	GRAND TOTAL	GRAND TOTAL	GRAND TOTAL	GRAND TOTAL	GRAND TOTAL	GRAND TOTAL	GRAND TOTAL	796	1,232		
WORKER DENSITY FOR GRAND TOTALS (PER SQ. MI.)		525	1,175	3,645	846	45	47	845	47	845	47		
DISTRIBUTION OF WORK TRIPS BY MODE (\$)	DISTRIBUTION OF WORK TRIPS BY MODE (\$)	AUTO DRIVER; AUTO PASS.	79%	78%	69%	84%	90%	91%	91%	91%	91%		
PUBLIC TRANSPORTATION	PUBLIC TRANSPORTATION		13	14	22	9	3	2	2	2	2		
WALK; WORK AT HOME	WALK; WORK AT HOME		7	7	8	6	5	2	13	13	13		
TAXI; OTHER	TAXI; OTHER		1	1	1	1	2	5	6	6	6		

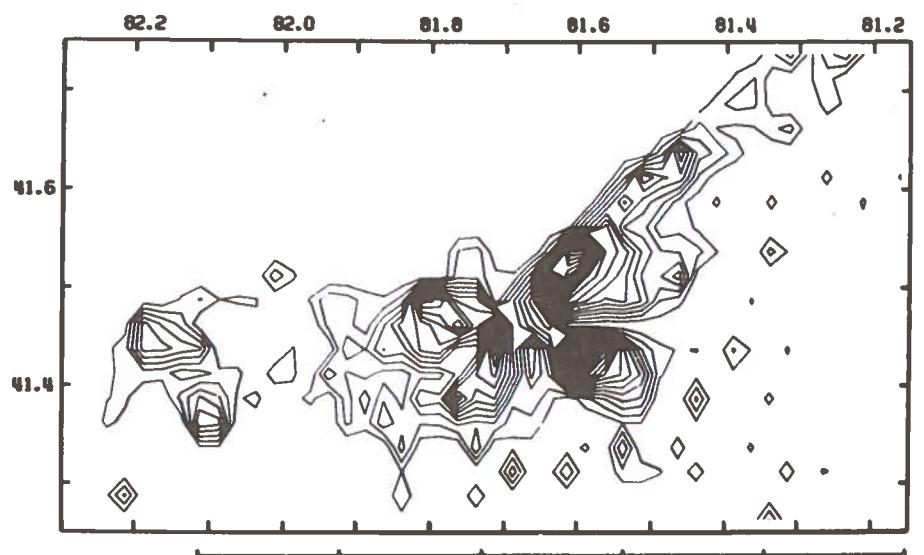
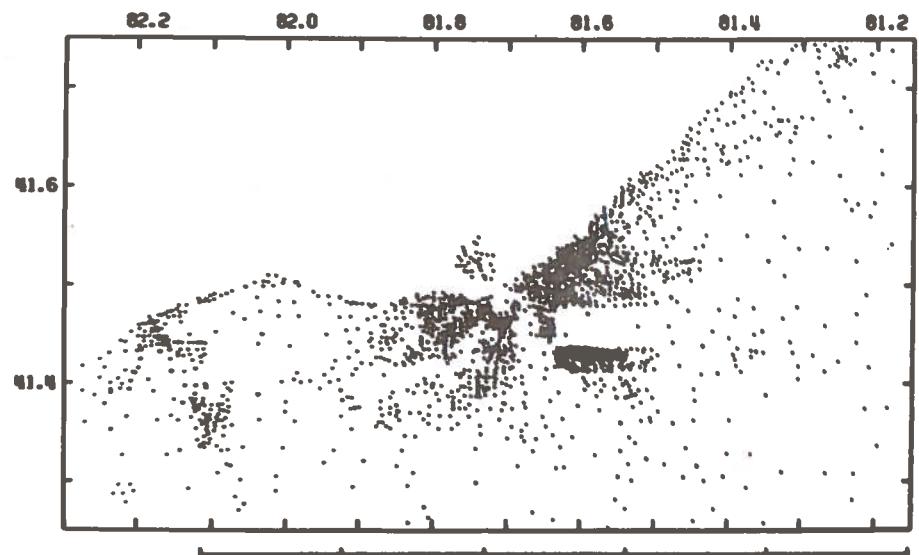
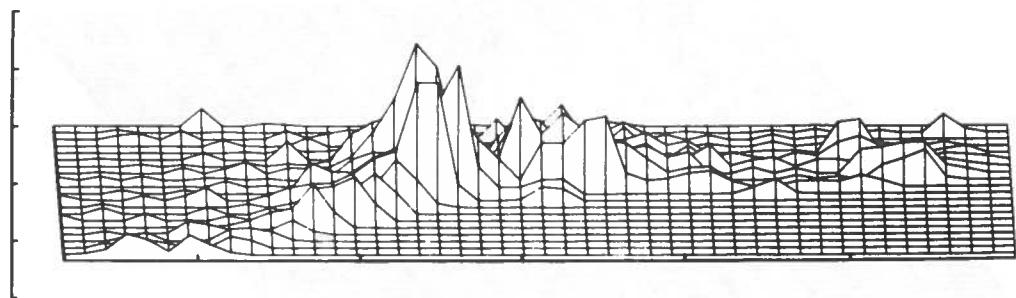
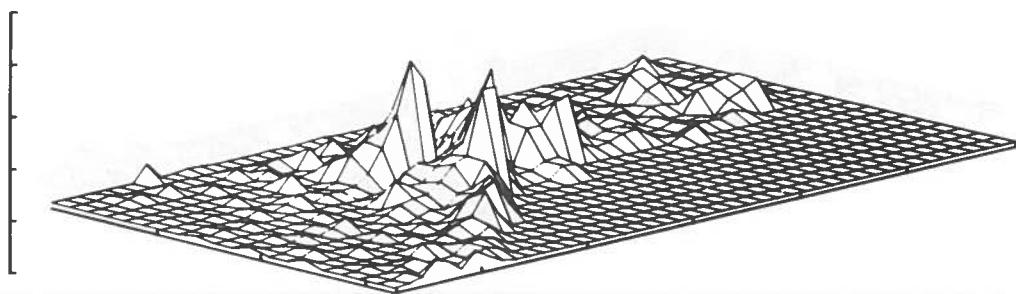


Figure 7-1. Population Density Plots - Dot and Contour Maps - Cleveland

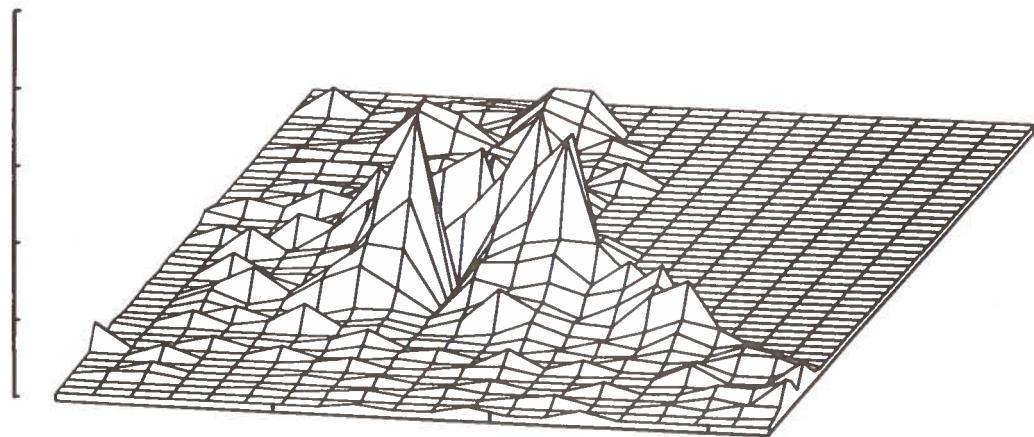


0.0 DEGREES

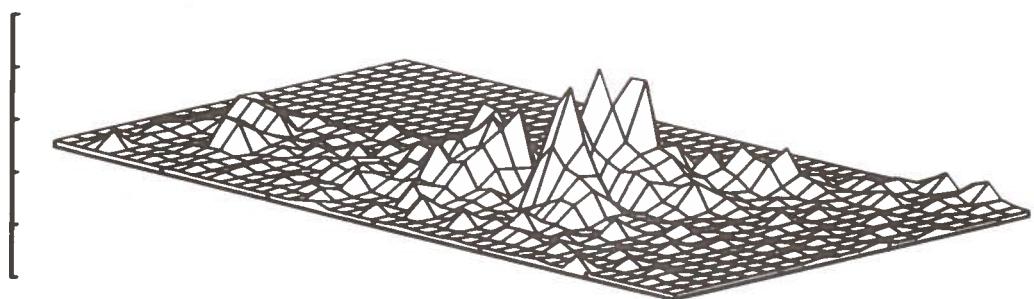


45.0 DEGREES

Figure 7-2. Population Density Plots - Isometric Views
(0° , 45°) - Cleveland

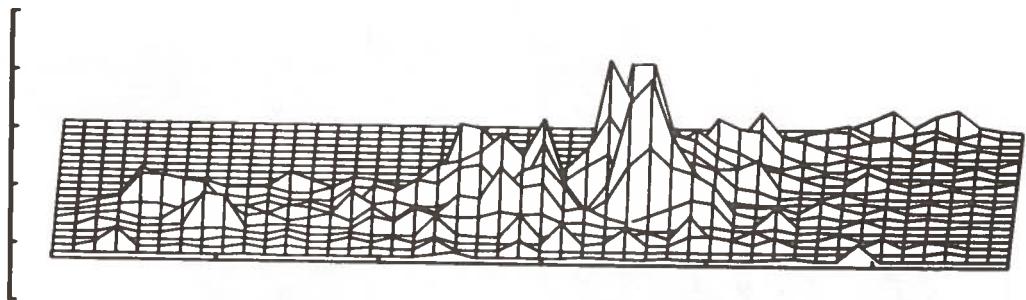


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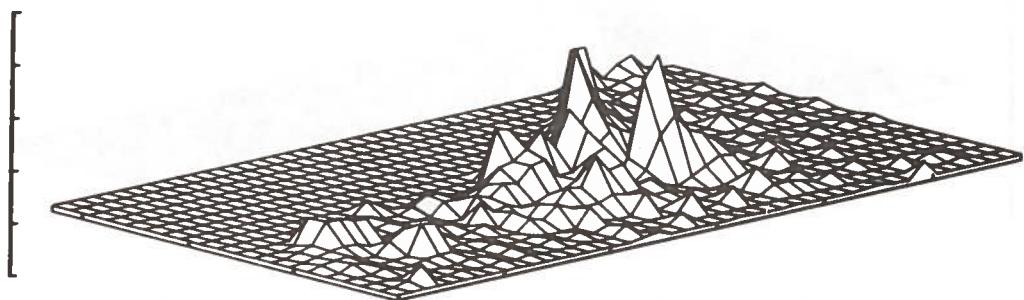


135.0 DEGREES

Figure 7-3. Population Density Plots - Isometric Views
(90° , 135°) - Cleveland

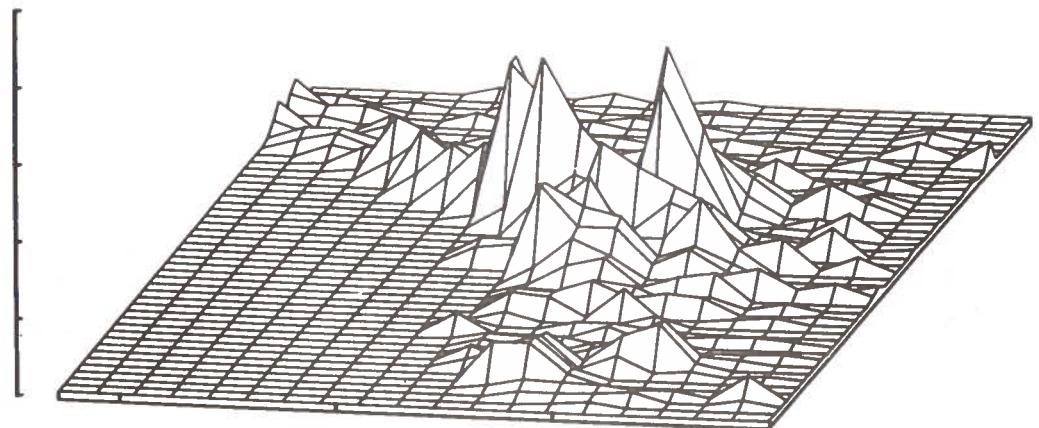


180.0 DEGREES

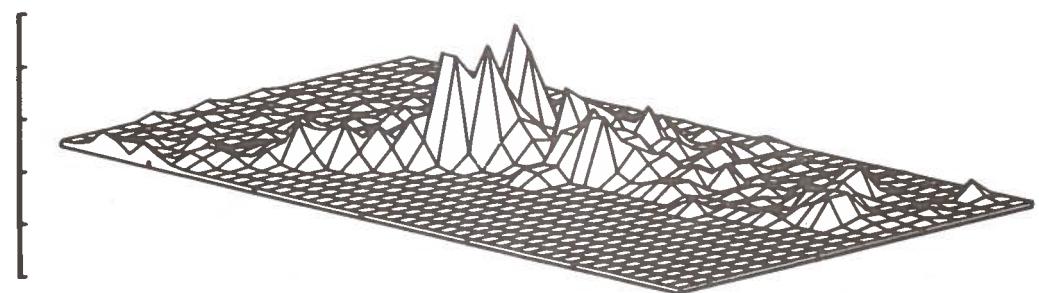


225.0 DEGREES

Figure 7-4. Population Density Plots - Isometric Views
(180°, 225°) - Cleveland



270.0 DEGREES



315.0 DEGREES

Figure 7-5. Population Density Plots - Isometric Views
(270° , 315°) - Cleveland

8. COLUMBUS, OHIO

TABLE 8-1. SOCIO-ECONOMIC DATA BY URBAN RING - COLUMBUS

CITY TRACTS BY INNER & OUTER RADII	CITY: COLUMBUS, OHIO U. A. RANK: 31	SUSA: URBAN AREA: CENTRAL CITY: CBD:	TOTAL POP.		LAND AREA (Sq. Mi.)		POP. DENSITY		LATITUDE: 39° 57' 42" LONGITUDE: 88° 0' 60"	
			0.0 - 1.0 Mi.	1.0 - 2.0 Mi.	2.0 - 4.0 Mi.	6.0 - 6.0 Mi.	6.0 - 10.0 Mi.	10.0 - 12.0 Mi.	12.0 - 14.0 Mi.	14.0 - 16.0 Mi.
		539,377	1,895	134.6	0.936	4,012	2,222,025			
Total Pop. (1)	10,157 (100.0)	58,673 (100.0)	249,251 (100.0)	211,245 (100.0)	147,566 (100.0)	63,473 (100.0)	56,777 (100.0)	15,878 (100.0)	24,516 (100.0)	6,852 (100.0)
White Pop. (1)	8,432 (83.0)	51,023 (87.0)	176,155 (70.7)	189,602 (89.8)	145,809 (98.8)	82,859 (99.3)	55,432 (97.6)	15,430 (97.6)	24,420 (99.6)	6,817 (99.5)
Black Pop. (1)	1,639 (16.1)	7,377 (12.6)	71,746 (28.8)	20,522 (9.7)	1,186 (.8)	303 (.4)	1,178 (2.1)	414 (2.6)	25 (.1)	0 (.0)
Span. (1 of white)	88 (.9)	181 (.3)	997 (.4)	1,356 (1.6)	936 (1.6)	358 (.4)	206 (.4)	65 (.4)	0 (.0)	0 (.0)
Other (1)	86 (.8)	273 (.5)	1,350 (.5)	1,121 (.5)	971 (.4)	311 (.4)	177 (.3)	34 (.2)	71 (.3)	35 (.5)
Total Male Pop.	\$8,837	28,759	118,328	100,313	71,091	41,234	28,949	7,864	12,168	14,616
Median Male Age	36.4	27.0	24.4	26.0	25.7	23.2	23.7	25.1	26.1	23.1
Total Female Pop.	4,320	29,944	130,423	110,932	76,475	42,219	27,826	8,014	12,348	3,260
Median Female Age	27.5	29.4	27.0	28.2	27.2	24.4	24.5	26.9	27.1	24.5
% of Total Pop. > 65+	11.0	12.1	9.5	8.2	5.7	3.5	4.1	7.4	6.9	5.6
Mean Family Inc.	\$7,186	\$10,086	\$9,711	\$13,146	\$13,121	\$13,526	\$12,070	\$10,929	\$11,333	\$10,041
Median Family Inc.	36,288	\$7,492	\$8,796	\$11,203	\$11,971	\$12,322	\$11,551	\$10,263	\$10,518	\$9,009
No. of Households	3,096	20,849	79,453	67,083	45,009	23,114	14,693	3,650	7,226	8,551
No. of Families	1,646	12,491	56,092	55,036	39,304	21,034	13,624	3,075	6,367	7,662
Average H.H. Size	2.4	2.5	2.9	3.1	3.2	3.6	3.7	3.2	3.4	3.6
Average Fam. Size	3.3	3.4	3.5	3.5	3.5	3.8	3.9	3.5	3.7	3.8
Total No. of Renters	2,593	15,284	42,826	23,251	14,094	4,996	2,113	968	1,164	1,250
Avg. Rent Paid	\$95	\$73	\$86	\$107	\$116	\$129	\$104	\$85	\$63	\$71
Median Rent Paid	\$81	\$60	\$66	\$104	\$113	\$132	\$108	\$74	\$58	\$61
% of Total Pop. Renting	85.9	77.8	57.3	35.5	32.6	22.3	17.3	29.5	23.8	21.3
Total No. of Home Owners	4,27	4,355	31,895	42,329	29,158	17,376	10,213	2,317	3,719	4,616
Avg. Value of House	\$9,043	\$13,689	\$16,599	\$22,250	\$21,197	\$25,597	\$326,204	\$21,840	\$19,947	\$21,703
Median Value of House	\$7,353	\$11,269	\$14,731	\$18,095	\$20,235	\$22,871	\$20,271	\$18,553	\$19,696	\$19,597
% of Total Pop. Own Home	14.1	22.2	42.7	64.5	67.4	77.7	82.7	70.5	76.2	71.5
No. Own 0 Auto. (1)	1,719 (36.9)	7,914 (37.6)	19,459 (24.5)	6,428 (.4)	2,267 (.5)	540 (2.3)	300 (2.0)	263 (7.3)	525 (7.3)	389 (4.6)
No. Own 1 Auto. (1)	1,215 (40.1)	9,694 (46.0)	38,529 (48.6)	33,348 (48.9)	20,571 (45.4)	9,222 (39.7)	5,622 (38.4)	1,675 (46.2)	3,370 (46.7)	3,986 (46.9)
No. Own 2 Autos. (1)	483 (15.9)	2,949 (14.0)	17,807 (22.5)	24,307 (35.7)	18,966 (41.9)	11,723 (50.5)	7,349 (50.2)	1,580 (41.4)	2,802 (38.8)	3,198 (37.6)
No. Own 3+ Autos. (1)	212 (7.0)	499 (2.4)	3,509 (.4)	4,096 (6.0)	3,478 (.7)	1,728 (7.4)	1,377 (9.4)	1,044 (5.1)	517 (7.2)	926 (10.9)
										118 (6.5)

TABLE 8-2. JOURNEY-TO-WORK DATA - COLUMBUS

SMSA: COLUMBUS, OHIO		PLACE OF RESIDENCE (000)						EMPLOY- MENT DENSI- TY FOR GRAND TOTALS (PER SQ. MI.)	
		LIVING IN THE SMSA			LIVING OUTSIDE SMSA, WORKING IN IT				
		SMSA TOTAL	URBANIZED AREA	RURAL AND SCATTERED URBAN	URBAN- IZED RING	RURAL CITY	U.A. TOTAL		
S	SMSA TOTAL	345	318	206	112	27	26	371	
M	URBANIZED AREA TOTAL	325	316	205	111	9	23	348	
M	U. CEN- S. A. TRAL S. A. CITY	241	236	167	69	5	18	259	
M	TOTAL	—	—	—	—	—	—	—	
M	CENTRAL CITY	—	—	—	—	—	—	—	
M	CBD	42	41	29	12	1	3	45	
M	OTHER	199	195	138	57	4	15	214	
M	URBANIZED RING	84	80	38	42	4	5	89	
M	RURAL & SCATTERED URBAN	20	2	1	1	18	3	23	
M	WORKING OUTSIDE SMSA, LIVING IN IT	10	7	4	3	3	10	18	
M	GRAND TOTAL	355	325	210	115	30	26	381	
HOME- TO- WORK FLOWS		WORKER DENSITY FOR GRAND TOTALS (PER SQ. MI.)	238	1,383	1,560	1,145	24	—	
DISTRIBU- TION OF WORK TRIPS BY MODE (*)		AUTO DRIVER; AUTO PASS.	82%	82%	80%	86%	93%	83%	
PUBLIC TRANSPORTATION			8	9	11	5	0	2	
WALK; WORK AT HOME			8	7	7	7	11	1	
TAXI; OTHER			2	2	2	2	4	2	

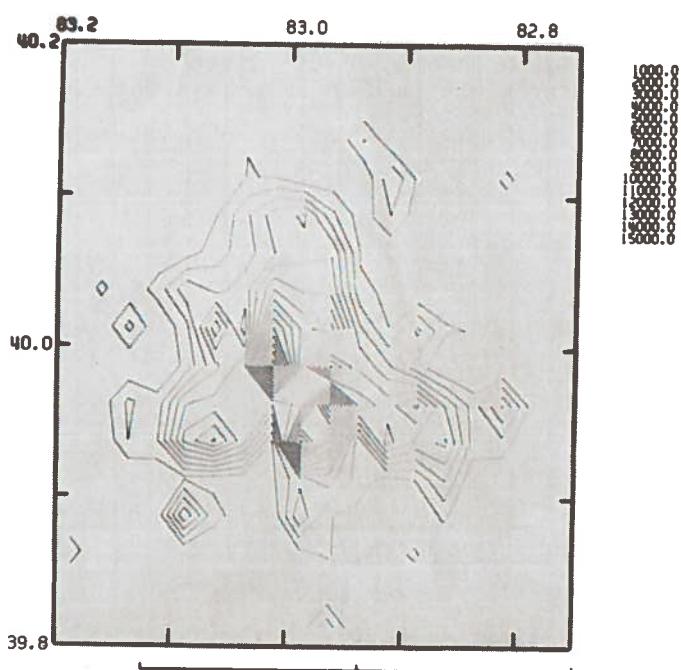
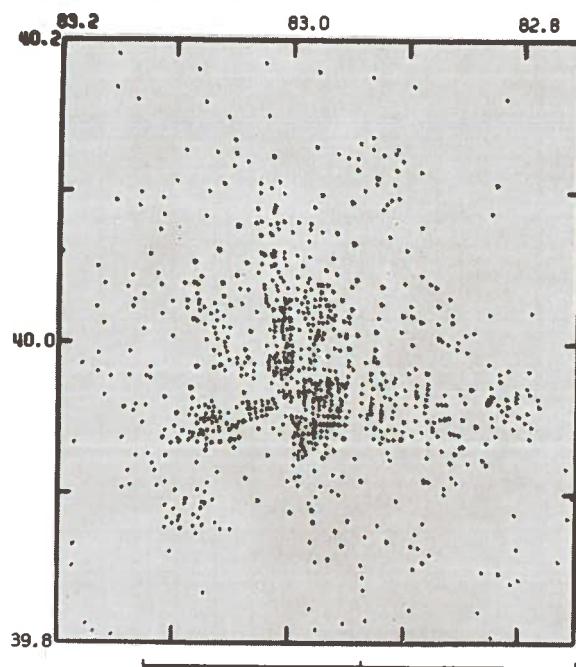
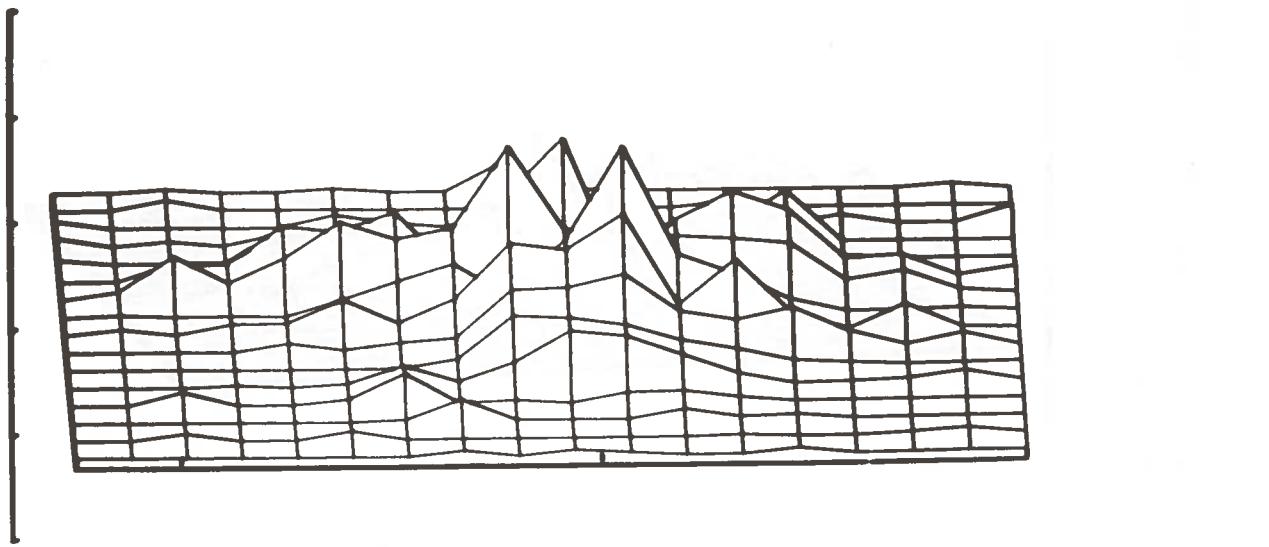
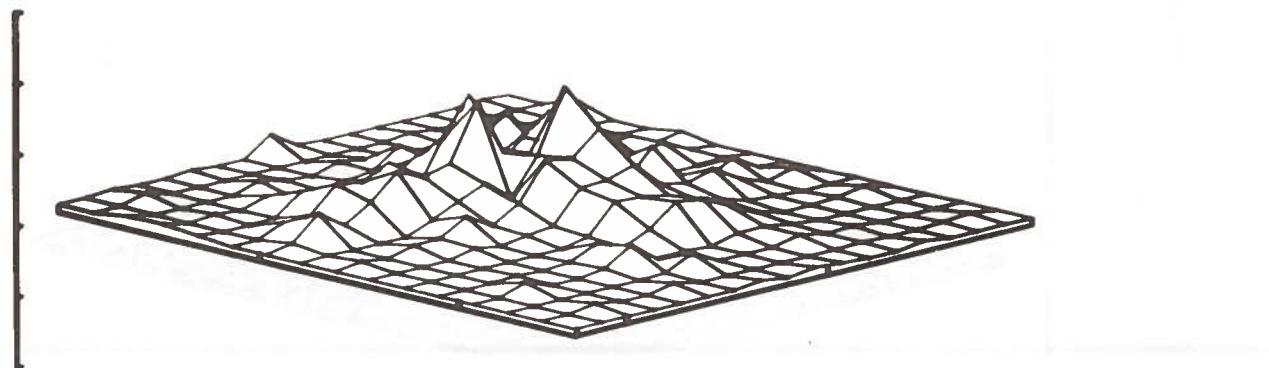


Figure 8-1. Population Density Plots - Dot and Contour Maps - Columbus

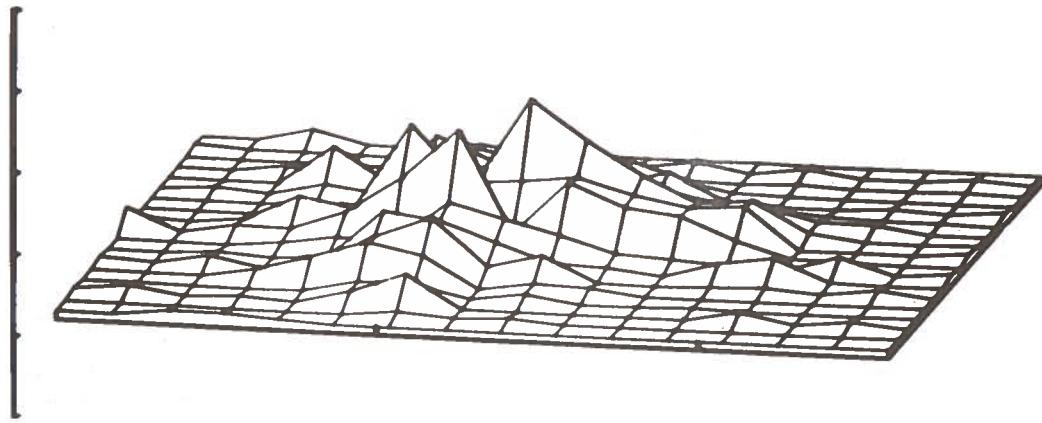


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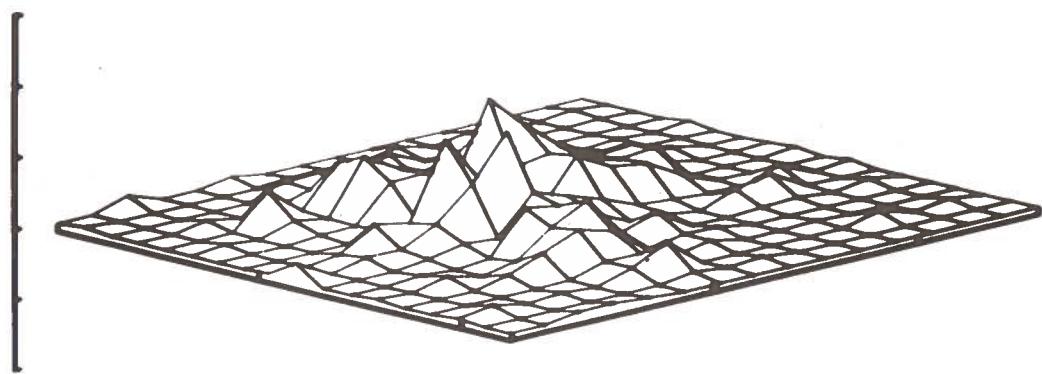


45.0 DEGREES

Figure 8-2. Population Density Plots - Isometric Views
(0° , 45°) - Columbus

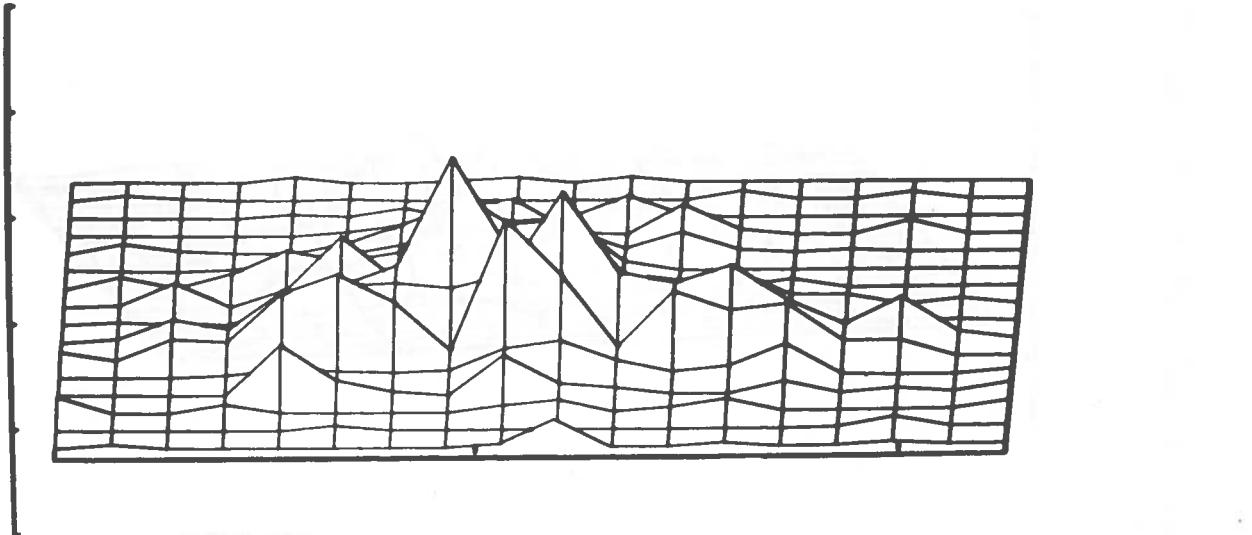


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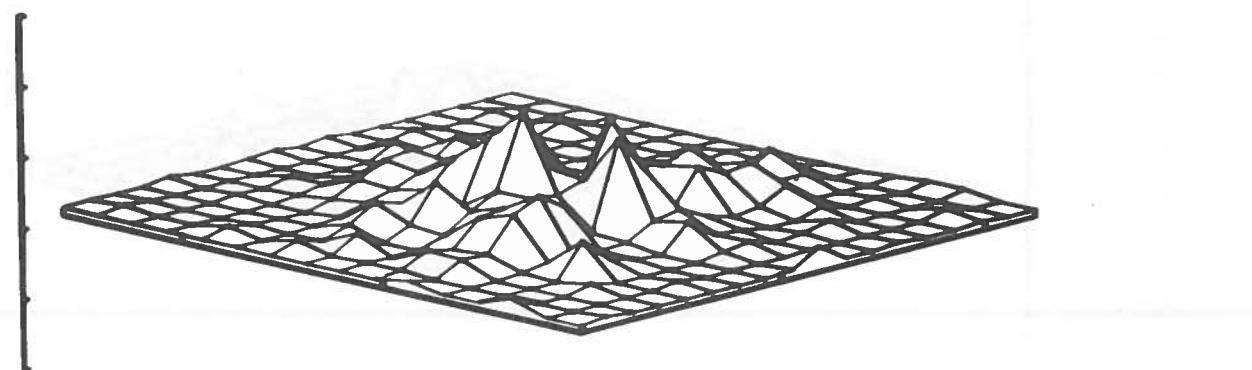


135.0 DEGREES

Figure 8-3. Population Density Plots - Isometric Views
(90° , 135°) - Columbus

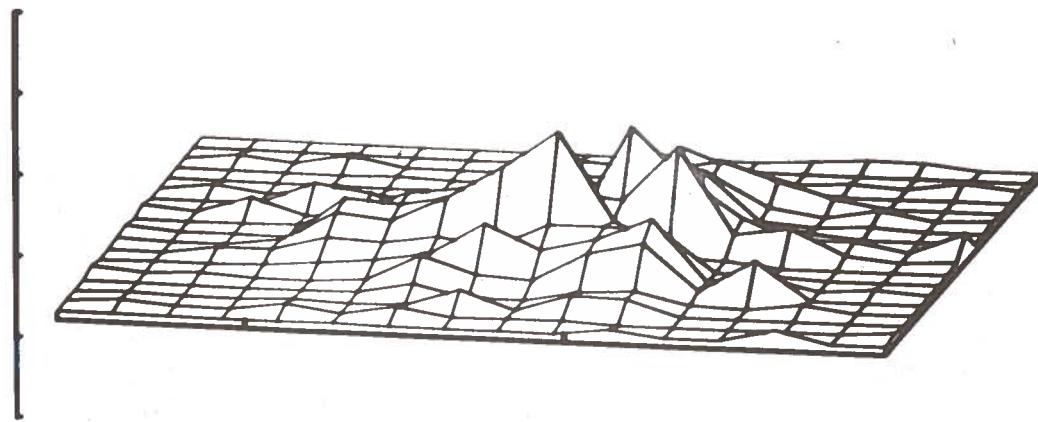


180.0 DEGREES

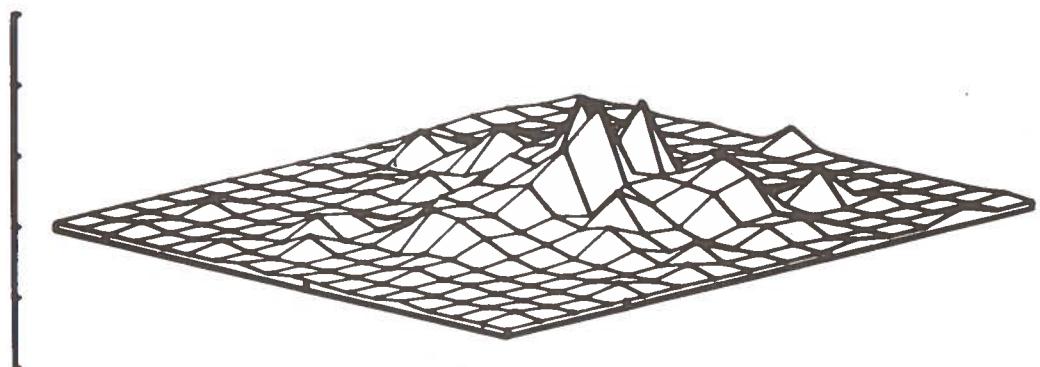


225.0 DEGREES

Figure 8-4. Population Density Plots - Isometric Views
(180°, 225°) - Columbus



270.0 DEGREES



315.0 DEGREES

Figure 8-5. Population Density Plots - Isometric Views
(270° , 315°) - Columbus

9. DALLAS-FORT WORTH, TEXAS*

*See Notes, Section 3.2.

TABLE 9-1. SOCIO-ECONOMIC DATA BY URBAN RING - DALLAS-FT. WORTH

URBAN CHARACTERISTICS	CITY TRACTS BY INNER & OUTER RADII	CITY: DALLAS - FT. WORTH, TX U. A. RANK: 15	SMSA: URBANIZED AREA: CENTRAL CITY: (C.B.D.)	TOTAL POP. 2,118,113 LAND AREA (50. MI ²) 6,471 1,471 2,1	POP. DENSITY 376 1,880 2,715 2,391	{ LATITUDE: 32° 46' 36" LONGITUDE: 96° 48' 42"	
						0.0 MI. 0.0 MI.	0.0 MI. 0.0 MI.
Total Pop. (1)	2,702,100,0	47,837 (100.0)	219,412 (100.0)	228,552 (100.0)	176,922 (100.0)	245,473 (100.0)	187,176 (100.0)
White Pop. (1)	1,629 (60.3)	24,737 (51.7)	131,349 (59.9)	119,918 (65.6)	161,628 (91.4)	234,337 (95.5)	184,524 (98.6)
Black Pop. (1)	985 (36.5)	22,495 (47.0)	85,400 (38.9)	77,089 (33.7)	15,151 (7.8)	9,805 (4.0)	1,839 (1.0)
Span. (% of white)	123 (4.6)	9,978 (20.9)	22,947 (10.5)	18,035 (7.9)	9,082 (5.1)	10,877 (4.4)	8,744 (4.7)
Other (1)	88 (3.3)	615 (11.3)	2,663 (1.2)	1,552 (0.7)	1,543 (0.9)	1,331 (0.5)	639 (0.4)
Total Nat. Pop.	2,774	23,270	101,312	106,123	85,490	120,099	90,799
Median Male Age	29.7	27.0	26.3	27.5	25.1	23.6	22.9
Total Female Pop.	42.8	24,567	117,900	122,336	91,432	125,374	94,280
Median Female Age	28.9	28.5	28.5	28.8	26.4	24.2	24.4
% of Total Pop. 65+	6.0	11.6	13.0	10.2	6.5	4.0	3.2
Average Fam. Inc.	\$17,339	\$7,700	\$9,450	\$11,715	\$14,696	\$14,955	\$13,110
Median Family Inc.	\$15,759	\$6,099	\$2,466	\$9,397	\$12,174	\$12,612	\$11,855
No. of Households	526	15,839	78,692	73,715	55,964	69,130	51,127
No. of Families	170	10,731	52,700	58,992	48,919	64,654	48,627
Average H.H. Size	1.3	2.9	2.8	3.0	3.1	3.5	3.6
Average Fam. Size	2.2	3.6	3.4	3.4	3.3	3.6	3.5
Total No. of Renters	526	12,394	57,447	81,095	21,246	17,527	15,746
Avg. Rent Paid	\$11.3	\$81	\$10.5	\$11.4	\$14.2	\$11.9	\$11.1
Median Rent Paid	\$11.2	\$66	\$96	\$10.4	\$13.4	\$13.4	\$11.7
% of Total Pop. Renting	100.0	78.2	73.0	45.2	38.0	25.4	30.5
Total No. of Home Owners	0	3,445	21,245	4,620	3,718	51,603	35,558
Avg. Value of House	0	\$12,825	\$16,959	\$17,573	\$22,667	\$23,361	\$19,969
Median Value of House	0	\$6,867	\$12,758	\$14,385	\$20,064	\$19,211	\$17,306
% of Total Pop. Own Home	0	21.8	27.0	57.8	62.0	69.5	72.8
No. Own 0 Auto. (1)	337 (65.1)	6,158 (36.6)	20,516 (24.7)	10,139 (13.2)	2,497 (4.3)	1,849 (2.6)	1,492 (2.8)
No. Own 1 Auto. (1)	134 (25.9)	7,761 (46.1)	43,326 (52.2)	36,827 (47.9)	23,105 (39.6)	23,643 (33.3)	19,055 (35.7)
No. Own 2 Autos. (1)	47 (9.1)	2,503 (14.9)	16,076 (19.4)	25,013 (32.5)	26,656 (45.7)	37,121 (52.3)	27,276 (31.1)
No. Own 3+ Autos. (1)	0 (0.0)	416 (2.5)	3,019 (3.6)	4,945 (6.4)	6,044 (10.4)	8,340 (11.8)	5,455 (10.4)

TABLE 9-2. JOURNEY-TO-WORK DATA - DALLAS - FT. WORTH

SMSA: DALLAS, TEXAS			PLACE OF RESIDENCE (000)						
			LIVING IN THE SMSA			LIVING OUTSIDE SMSA, WORKING IN IT			EMPLOY- MENT DENSITY FOR GRAND TOTALS (PER SQ. MI.)
			URBANIZED AREA		RURAL AND SCATTERED URBAN		GRAND TOTAL		
SMSA	U.S. A.	PLACE OF WORK (000)	SMSA TOTAL	SMSA TOTAL	U.A. TOTAL	CENTRAL CITY	URBANIZED RING	LIVING OUTSIDE SMSA, WORKING IN IT	EMPLOYMENT DENSITY FOR GRAND TOTALS (PER SQ. MI.)
		HOME-TO-WORK FLOWS	627	546	353	193	81	45	672
		URBANIZED AREA TOTAL	576	526	343	183	50	39	615
		CENTRAL CITY TOTAL	446	415	314	101	31	23	469
	S U. S. A.	CEN-TRAL CITY CBD OTHER	71	67	54	13	4	3	74
		URBANIZED RING	375	348	260	88	27	20	395
		RURAL & SCATTERED URBAN	130	111	29	82	19	16	146
		WORKING OUTSIDE SMSA, LIVING IN IT	51	20	10	10	31	6	57
		GRAND TOTAL	647	563	362	201	84	45	692
		WORKER DENSITY FOR GRAND TOTALS (PER SQ. MI.)	142	835	1,361	493	22		
DISTRIBU-TION OF WORK TRIPS BY MODE (\$)	AUTO DRIVER; AUTO PASS.								
	PUBLIC TRANSPORTATION	87%	87%	84%	92%	88%	91%	87%	
	WALK; WORK AT HOME	6	7	10	1	1	2	6	
	TAXI; OTHER	4	4	4	4	7	2	4	
		3	2	2	3	4	5	3	

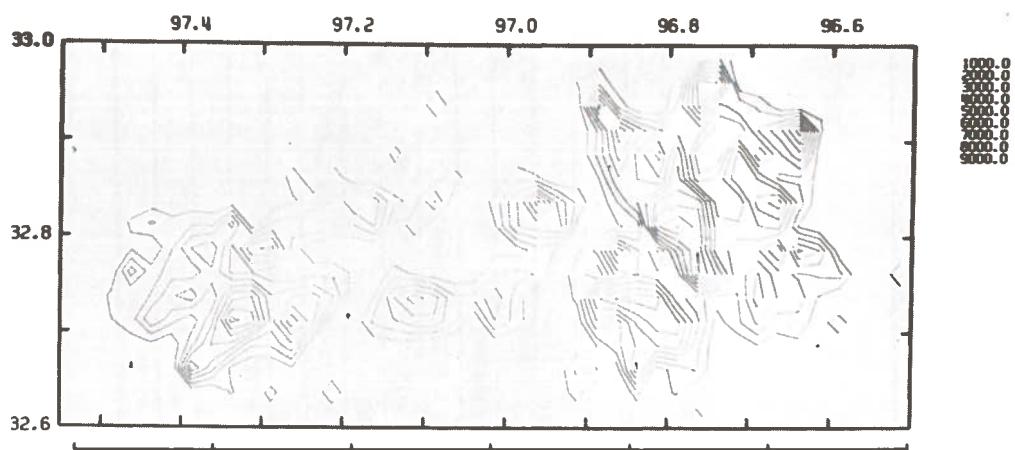
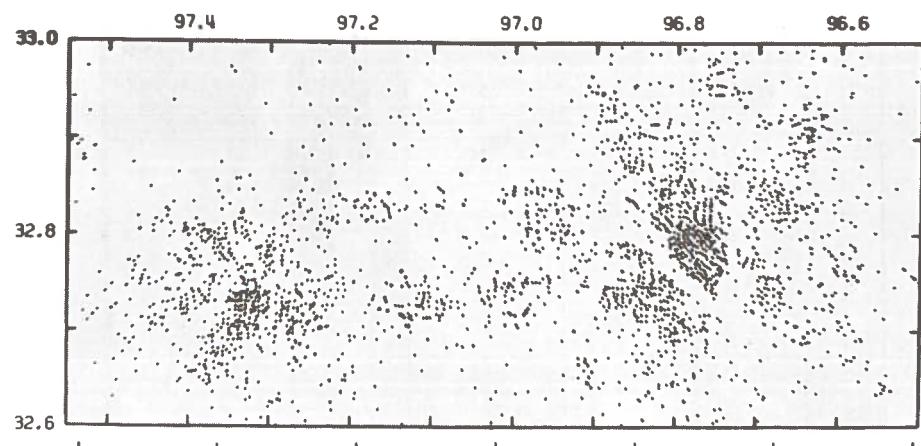
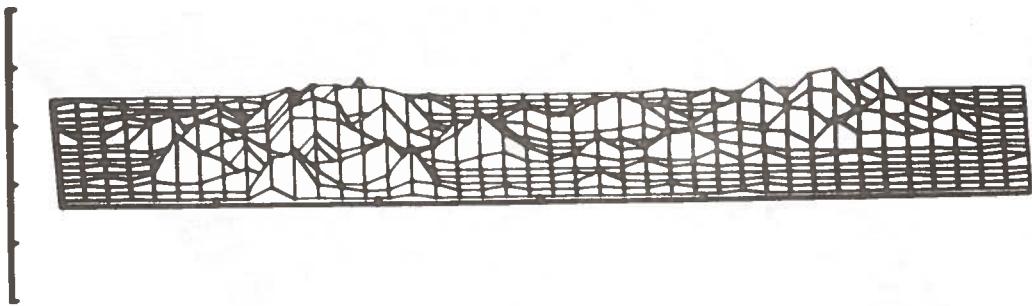
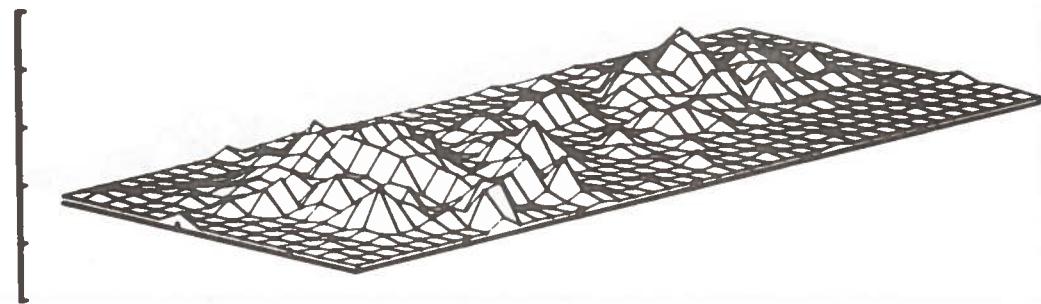


Figure 9-1. Population Density Plots - Dot and Contour Maps - Dallas-Ft. Worth

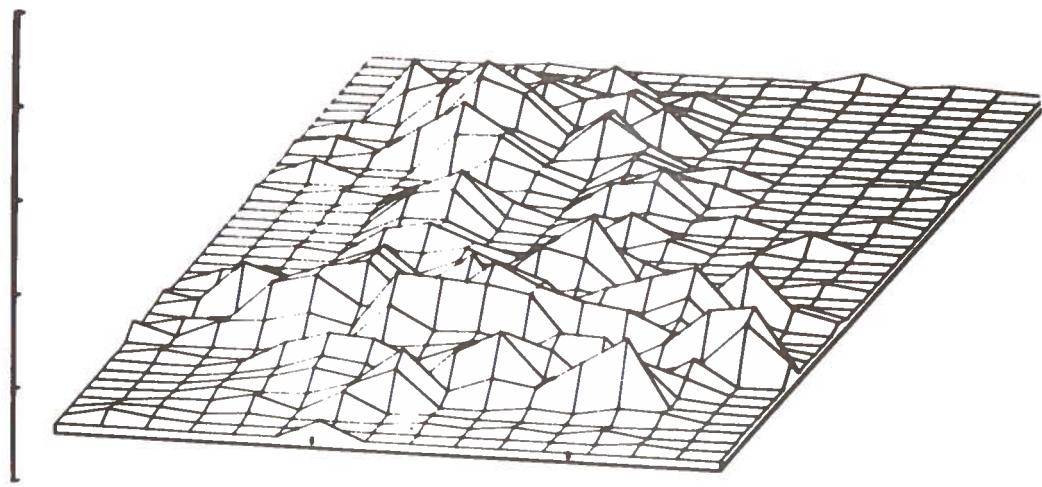


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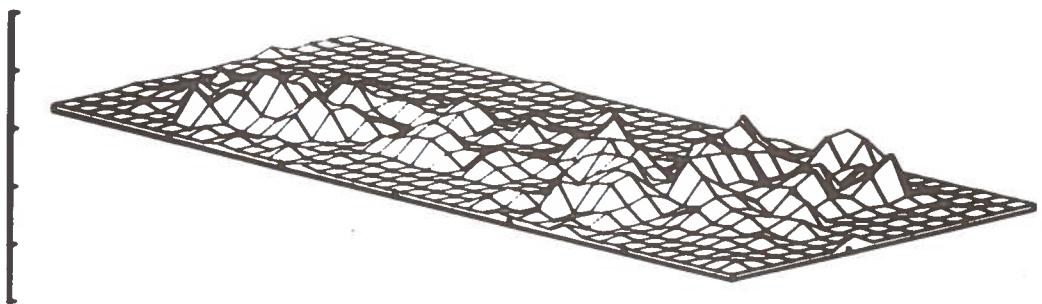


45.0 DEGREES

Figure 9-2. Population Density Plots - Isometric Views
(0°, 45°) - Dallas-Ft. Worth

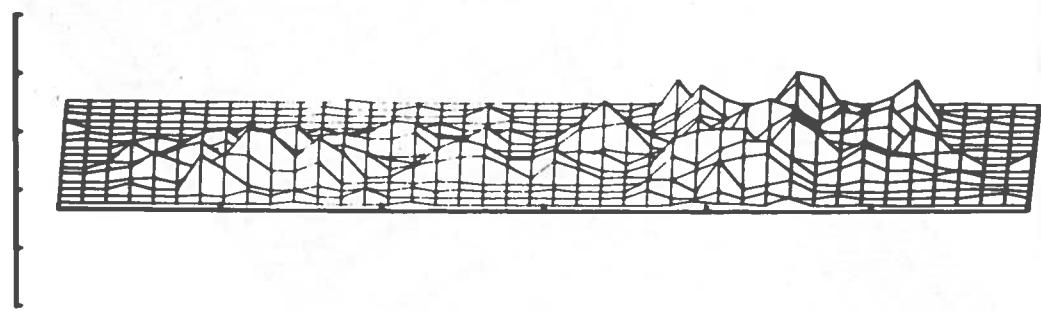


90.0 DEGREES

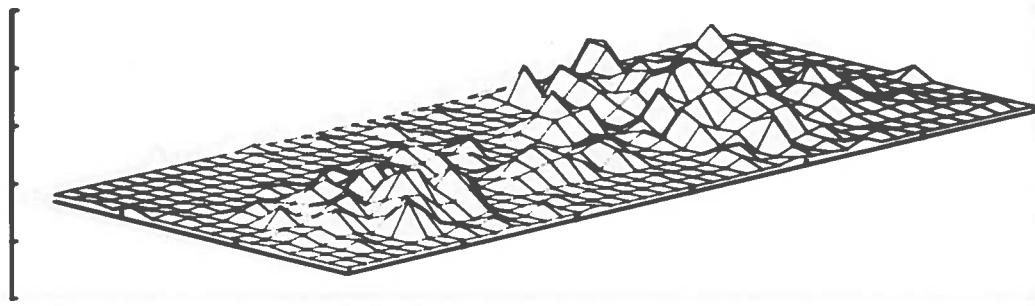


135.0 DEGREES

Figure 9-3. Population Density Plots - Isometric Views
(90°, 135°) - Dallas-Ft. Worth

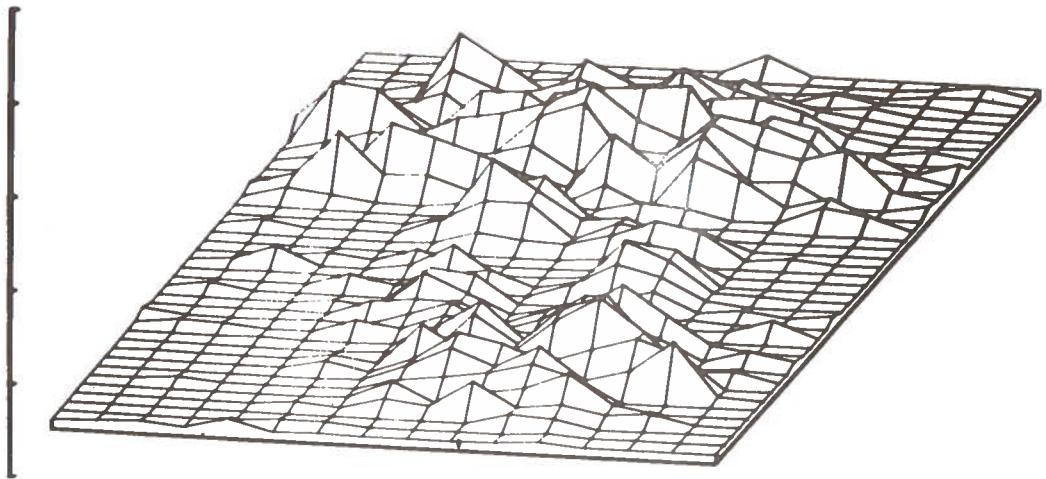


180.0 DEGREES

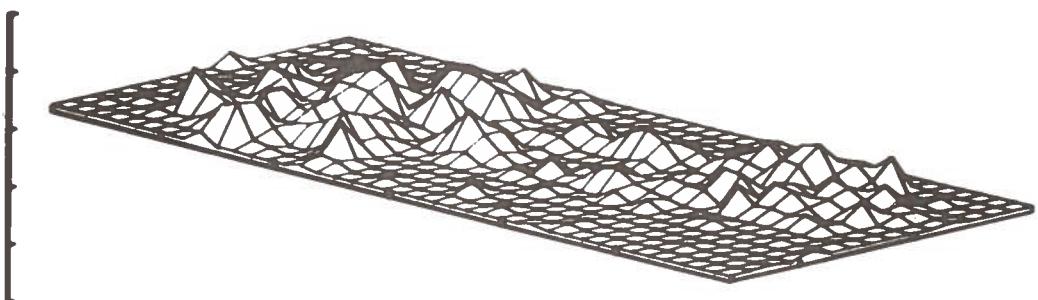


225.0 DEGREES

Figure 9-4. Population Density Plots - Isometric Views
(180°, 225°) - Dallas-Ft. Worth



270.0 DEGREES



315.0 DEGREES

Figure 9-5. Population Density Plots - Isometric Views
(270° , 315°) - Dallas-Ft. Worth

10. DAYTON, OHIO

TABLE 10-1. SOCIO-ECONOMIC DATA BY URBAN RING - DAYTON

CITY TRACTS BY INNER & OUTER RADII	CITY: DAYTON, OHIO	U. A. RANK: 34	URBAN CHARACTERISTICS	TOTAL POP.		LAND AREA (SI., MI.)		POP. DENSITY		LATITUDE: 39° 45' 24" LONGITUDE: 84° 11' 42"	
				SMSA: URBANIZED AREA: CENTRAL CITY: CBD:		1,738 224 38.3 0.8		499 3,060 6,342 1,783		0.0 MI. PIVOT POINT:	
				0.0 - 1.0 MI. 1.0 - 2.0 MI. 2.0 - 4.0 MI. 4.0 - 6.0 MI. 6.0 - 8.0 MI. 8.0 - 10.0 MI. 10.0 - 12.0 MI. 12.0 - 14.0 MI. 14.0 - 16.0 MI. 16.0 - 18.0 MI. 18.0 - 20.0 MI.							
Total Pop. (1)	17,907(100.0)	\$7,800(100.0)	174,346(100.0)	138,974(100.0)	101,072(100.0)	93,360(100.0)	37,835(100.0)	62,113(100.0)	61,946(100.0)	43,964(100.0)	59,056(100.0)
White Pop. (1)	9,777 (54.6)	60,568 (69.0)	134,831 (77.3)	151,749 (94.4)	98,423 (97.8)	97,360 (99.0)	37,659 (99.5)	61,800 (99.5)	61,618 (99.8)	42,152 (96.4)	58,331 (98.8)
Black Pop. (1)	8,030 (44.8)	26,844 (30.6)	58,830 (22.1)	7,244 (5.2)	1,840 (1.8)	596 (.6)	68 (.2)	194 (.3)	6,210 (10.0)	1,369 (3.1)	542 (.9)
Span. (% of white)	34 (.2)	502 (.3)	574 (.3)	1,156 (.8)	566 (.6)	559 (.7)	70 (.2)	42 (.1)	0 (.0)	216 (.5)	0 (.0)
Other (1)	100 (.6)	388 (.4)	655 (.4)	481 (.3)	409 (.4)	404 (.4)	108 (.3)	119 (.2)	213 (.2)	183 (.5)	183 (.3)
Total Male Pop.	8,554	41,438	83,017	68,016	50,148	49,886	18,737	30,735	30,112	22,128	28,736
Median Male Age	29.6	25.1	28.5	25.6	25.7	24.8	24.6	25.8	24.6	25.1	28.1
Total Female Pop.	9,353	46,362	91,339	70,958	50,924	49,474	19,098	31,578	31,854	21,836	30,320
Median Female Age	32.4	27.5	31.7	27.4	26.5	25.7	24.8	24.9	25.9	26.5	30.6
% of Total Pop. - 65+	15.1	10.4	10.9	5.5	4.2	4.1	4.5	4.8	7.3	6.1	9.9
Mean Family Inc.	\$7,819	\$9,004	\$12,496	\$13,146	\$15,074	\$13,699	\$12,133	\$11,923	\$11,480	\$12,407	\$11,818
Median Family Inc.	\$7,015	\$8,399	\$11,002	\$12,062	\$13,690	\$13,012	\$11,476	\$11,519	\$10,687	\$11,418	\$10,631
No. of Households	6,770	28,881	59,595	41,195	28,220	27,879	11,149	17,131	18,432	12,616	19,271
No. of Families	3,574	20,111	45,153	36,326	26,126	25,224	9,892	15,712	15,849	11,221	15,683
Average H. Size	2.5	2.9	2.8	3.4	3.0	3.4	3.4	3.6	3.2	3.4	3.0
Average Fam. Size	3.6	3.6	3.3	3.6	3.7	3.6	3.7	3.8	3.5	3.7	3.5
Total No. of Renters	5,278	17,695	22,409	11,017	4,947	6,503	3,002	2,757	5,137	2,327	6,207
Avg. Rent Paid	\$75	\$85	\$102	\$98	\$135	\$119	\$94	\$83	\$80	\$83	\$83
Median Rent Paid	\$61	\$69	\$94	\$110	\$136	\$122	\$86	\$76	\$71	\$75	\$73
% of Total Pop. Renting	80.7	65.9	39.9	28.2	18.5	25.0	29.1	19.6	30.6	23.0	35.9
Total No. of Home Owners	1,260	9,144	33,753	28,091	21,734	19,507	7,299	11,309	11,656	7,788	11,077
Avg. Value of House	\$11,445	\$18,995	\$21,622	\$26,815	\$35,429	\$20,466	\$19,595	\$18,053	\$18,318	\$20,873	\$20,832
Median Value of House	\$11,380	\$16,878	\$19,019	\$24,409	\$35,470	\$18,694	\$18,053	\$17,244	\$18,572	\$17,993	\$17,993
% of Total Pop. Own Home	19.3	34.1	60.1	71.8	81.5	75.0	70.9	80.4	69.4	77.0	64.1
No. Own 0 Auto. (1)	5,223 (47.7)	8,751 (30.3)	1,930 (4.7)	4,28 (1.5)	1,159 (4.0)	635 (5.7)	708 (4.2)	1,553 (8.5)	570 (4.5)	2,392 (12.4)	
No. Own 1 Auto. (1)	2,691 (19.8)	13,706 (47.4)	30,359 (50.8)	18,237 (44.4)	9,598 (34.0)	4,832 (43.6)	7,102 (42.3)	8,746 (47.9)	5,806 (44.6)	6,948 (46.3)	
No. Own 2 Autos. (1)	579 (8.6)	5,376 (18.6)	18,266 (30.6)	17,928 (42.8)	15,34 (53.6)	4,686 (42.3)	7,646 (45.6)	6,739 (36.9)	5,178 (41.2)	6,744 (34.9)	
No. Own 3+Autos. (1)	268 (4.0)	1,070 (3.7)	3,190 (5.3)	3,296 (8.0)	3,064 (10.9)	2,784 (10.0)	919 (8.1)	1,326 (7.9)	1,210 (6.6)	1,216 (9.7)	1,258 (6.5)

TABLE 10-2. JOURNEY-TO-WORK DATA - DAYTON

SMSA: DAYTON, OHIO			PLACE OF RESIDENCE (000)						
			LIVING IN THE SMSA			LIVING OUTSIDE SMSA, WORKING IN IT			
			URBANIZED AREA		SMSA TOTAL	RURAL AND SCATTERED URBAN		LIVING OUTSIDE SMSA, WORKING IN IT	
			U. A. TOTAL	CENTRAL CITY	URBAN- IZED RING	RURAL SCATTERED URBAN	URBAN- IZED RING	LIVING OUTSIDE SMSA, WORKING IN IT	EMPLOY- MENT DENSITY FOR GRAND TOTALS (PER SQ. MI.)
HOME- TO- WORK FLOWS	PLACE OF WORK (000)	SMSA TOTAL	313	226	90	136	87	33	346 203
		URBANIZED AREA TOTAL	244	218	83	135	26	24	268 1,196
		CENTRAL CITY	161	137	71	66	24	14	175 4,569
		TOTAL	—	—	—	—	—	—	—
		CEN- TRAL CITY	—	—	—	—	—	—	—
		CBD	26	22	11	11	4	2	28 35,000
		OTHER	135	115	60	55	20	12	147 3,920
		URBANIZED RING	83	81	12	69	2	10	93 501
		RURAL & SCATTERED URBAN	69	8	7	1	61	9	78 53
		WORKING OUTSIDE SMSA, LIVING IN IT	12	7	1	6	5	—	—
		GRAND TOTAL	325	233	91	142	92	33	358
WORKER DENSITY FOR GRAND TOTALS (PER SQ. MI.)			190	1,040	2,375	765	62	—	—
DISTRIBU- TION OF WORK TRIPS BY MODE (%)	AUTO DRIVER; AUTO PASS.	86%	86%	78%	90%	86%	96%	96%	87%
	PUBLIC TRANSPORTATION	5%	6%	13%	3%	0%	0%	0%	5%
	WALK; WORK AT HOME	7%	6%	8%	5%	12%	2%	2%	6%
	TAXI; OTHER	2%	2%	1%	2%	2%	2%	2%	2%
	—	—	—	—	—	—	—	—	—

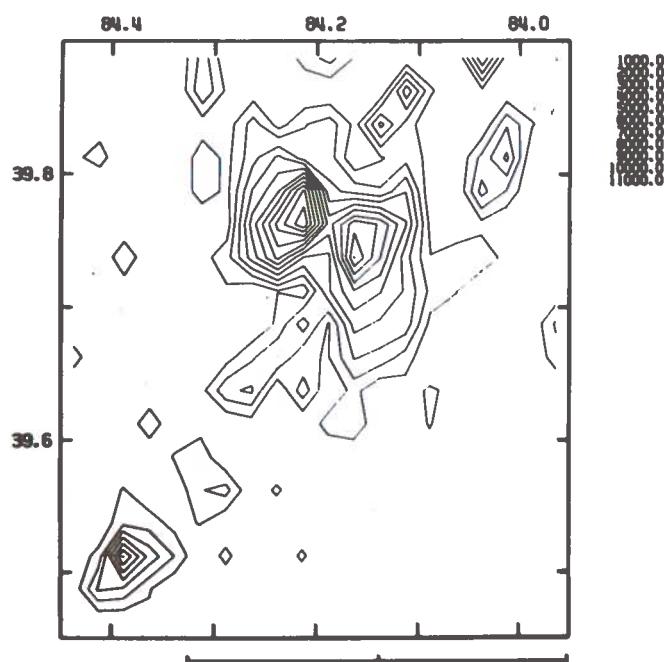
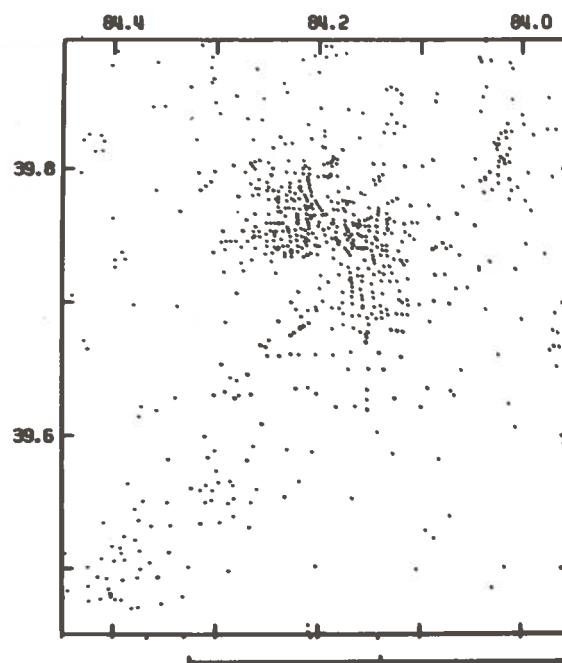
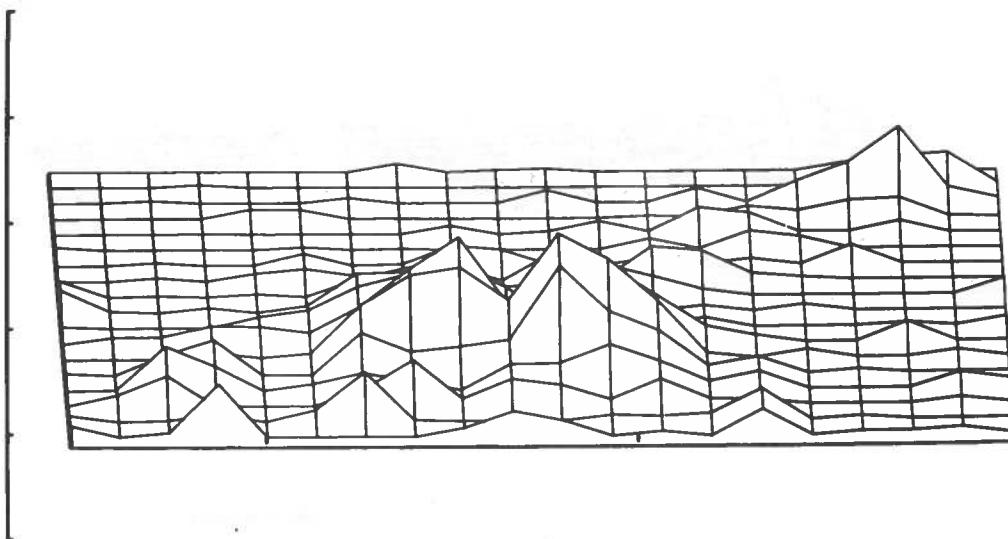
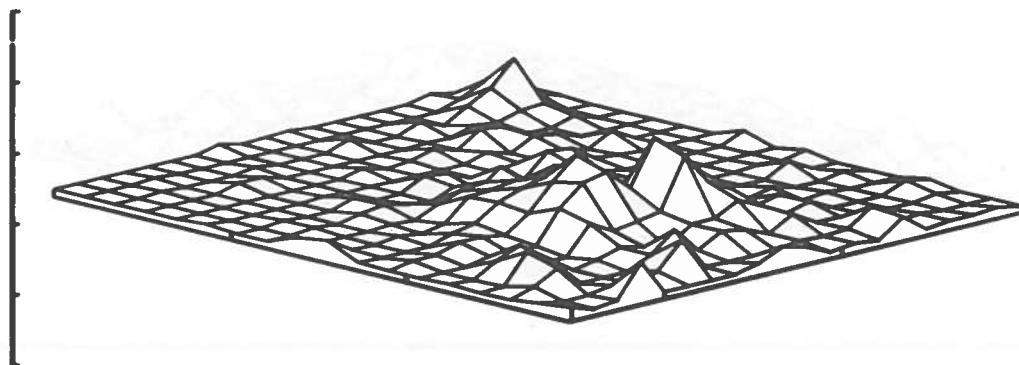


Figure 10-1. Population Density Plots - Dot and Contour Maps - Dayton

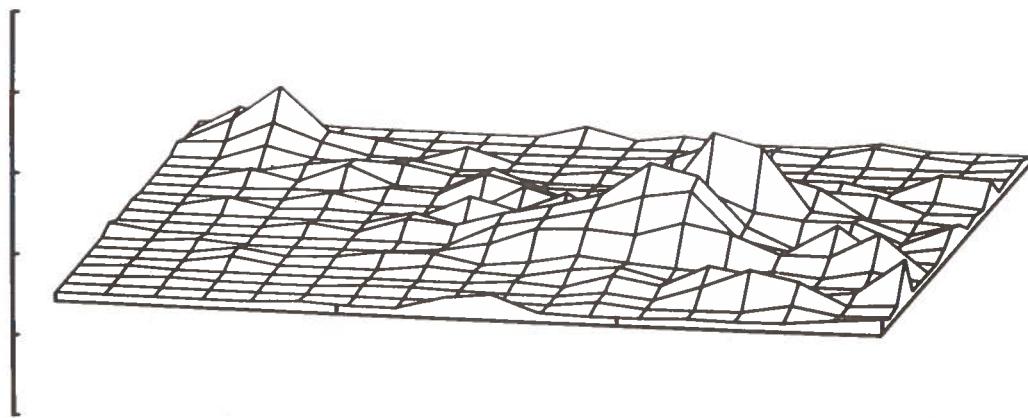


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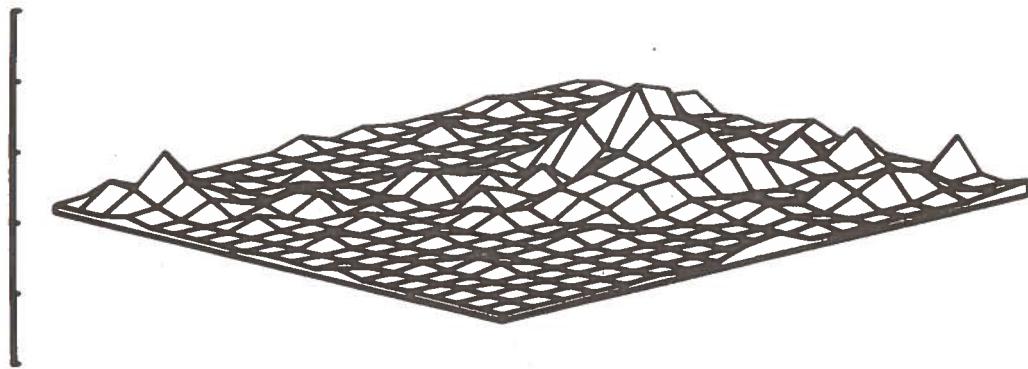


45.0 DEGREES

Figure 10-2. Population Density Plots - Isometric Views
(0° , 45°) - Dayton

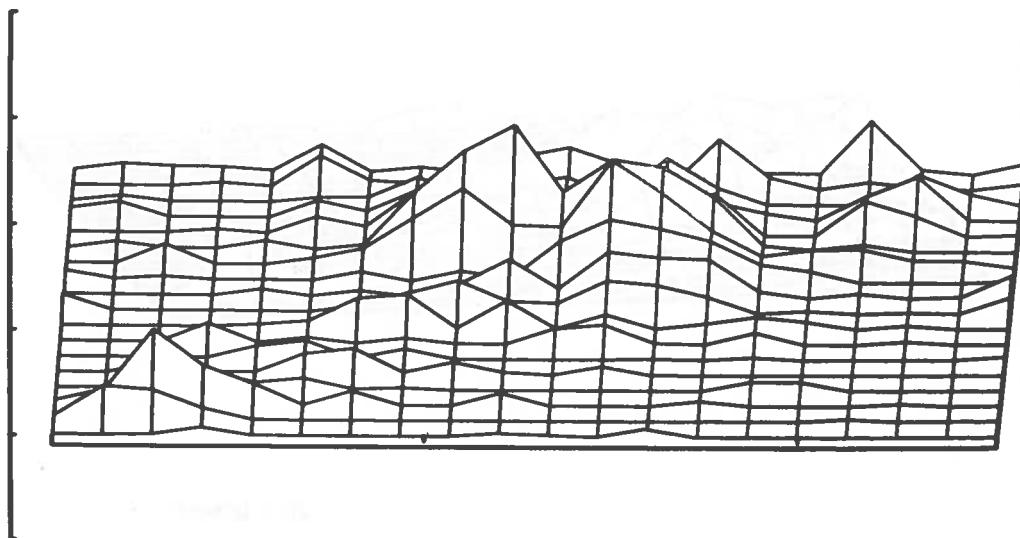


90.0 DEGREES

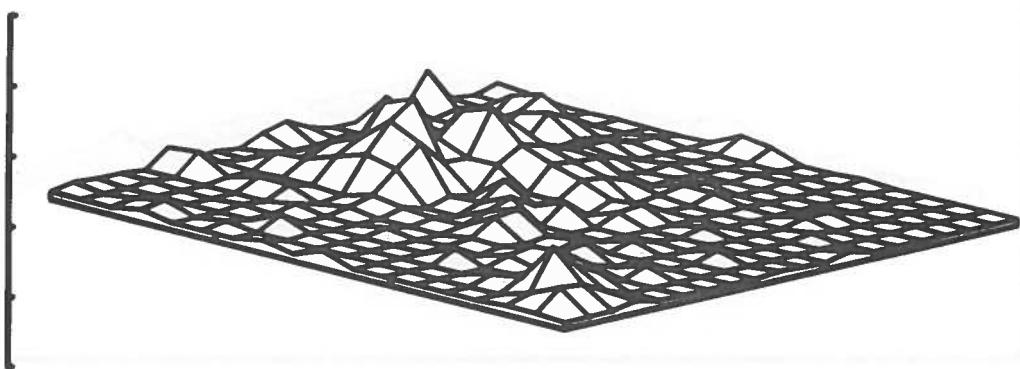


135.0 DEGREES

Figure 10-3. Population Density Plots - Isometric Views
(90° , 135°) - Dayton

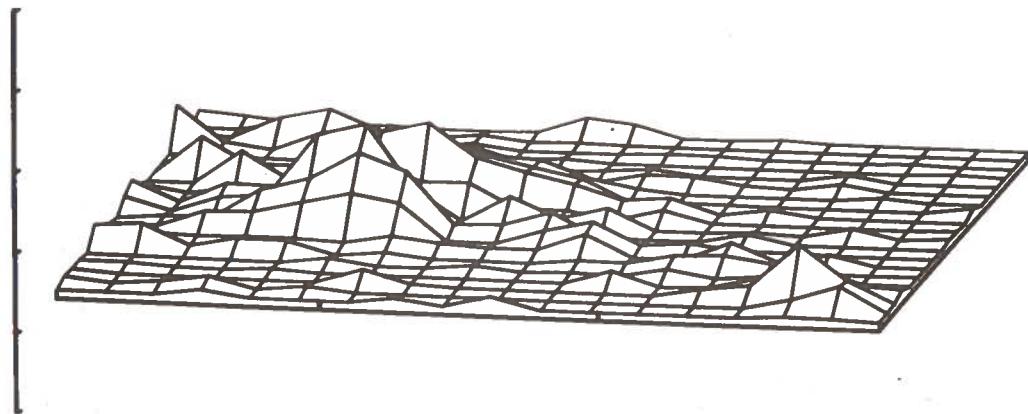


180.0 DEGREES

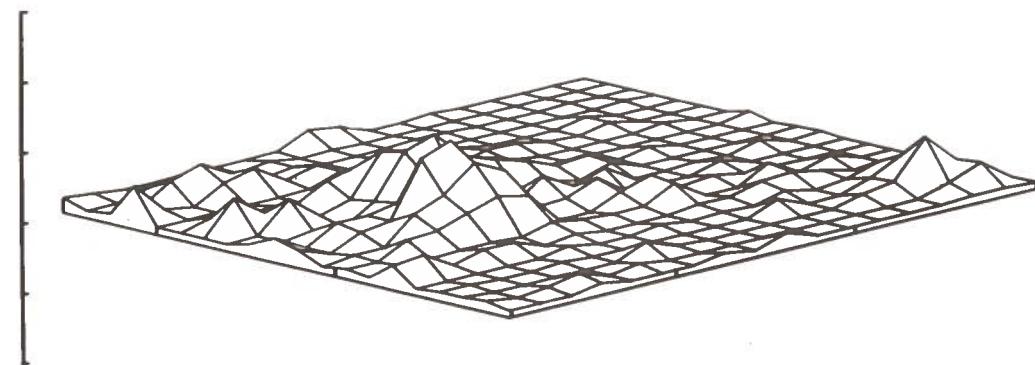


225.0 DEGREES

Figure 10-4. Population Density Plots - Isometric Views
(180°, 225°) - Dayton



270.0 DEGREES



315.0 DEGREES

Figure 10-5. Population Density Plots - Isometric Views
(270° , 315°) - Dayton

11. DENVER, COLORADO

TABLE 11-1. SOCIO-ECONOMIC DATA BY URBAN RING - DENVER

URBAN CHARACTERISTICS	CITY TRACTS BY INNER & OUTER RADI		CITY: DENVER, COLORADO		SMSA: URBANIZED AREA: CENTRAL CITY: CBD:		TOTAL POP. 1,330,000 1,047,311 515,000 5,120		LAND AREA (sq. mi.) 3,660 213 95 0.906		POP. DENSITY 316 5,477 3,443		0.0 MI. PIVOT POINT: LATITUDE: 39° 44' 24" LONGITUDE: 104° 59' 18"	
	U. A. RANK: 24													
	0.0 - 1.0 Mi. (1)		1.0 - 2.0 Mi. (1)		2.0 - 4.0 Mi. (1)		4.0 - 6.0 Mi. (1)		6.0 - 8.0 Mi. (1)		8.0 - 10.0 Mi. (1)		10.0 - 12.0 Mi. (1)	
Total Pop.	\$39,929 (100.0)	\$72,780 (100.0)	\$220,135 (100.0)	\$255,370 (100.0)	\$258,441 (100.0)	\$149,937 (100.0)	\$55,189 (100.0)	\$14,504 (100.0)	\$11,095 (100.0)	\$14,575 (100.0)	\$11,035 (99.5)	\$14,244 (98.2)	\$16.0 - 18.0 Mi. (1)	\$16.0 - 20.0 Mi. (1)
White Pop.	\$36,112 (90.4)	\$58,779 (80.8)	\$196,210 (98.1)	\$241,352 (94.5)	\$255,053 (98.7)	\$147,143 (98.1)	\$54,649 (99.0)	\$14,504 (100.0)	\$11,095 (100.0)	\$14,575 (100.0)	\$11,035 (99.5)	\$14,244 (99.5)	\$21,531 (100.0)	\$21,531 (100.0)
Black Pop.	\$2,589 (6.5)	\$12,357 (17.0)	\$20,759 (8.4)	\$11,165 (4.4)	\$711 (0.3)	\$1,026 (0.7)	\$189 (0.3)	\$83 (0.6)	\$0 (0.0)	\$0 (0.0)	\$0 (0.0)	\$0 (0.0)	\$21,231 (98.7)	\$21,231 (98.7)
Span. (1 of white)	\$9,454 (23.7)	\$18,562 (25.5)	\$46,680 (21.2)	\$19,687 (7.7)	\$19,537 (7.6)	\$9,210 (6.1)	\$3,535 (6.4)	\$842 (5.8)	\$211 (1.9)	\$223 (3.4)	\$5,823 (17.8)	\$280 (1.3)	\$280 (1.3)	\$280 (1.3)
Other (1)	\$1,228 (3.1)	\$1,644 (2.3)	\$3,166 (1.4)	\$2,853 (1.1)	\$2,577 (1.0)	\$1,768 (1.2)	\$357 (0.6)	\$177 (0.6)	\$50 (0.5)	\$31 (0.5)	\$31 (0.5)	\$280 (1.3)	\$280 (1.3)	\$280 (1.3)
Total Male Pop.	19,383	33,091	103,114	123,441	127,705	75,013	27,606	7,637	5,547	3,310	10,585			
Median Male Age	34.0	27.6	27.8	26.5	23.7	22.7	20.5	25.2	24.4	28.4	26.6			
Total Female Pop.	20,546	39,689	117,021	131,929	130,736	74,924	27,583	6,867	5,536	3,165	10,906			
Median Female Age	35.6	29.6	31.6	28.2	25.5	24.0	22.1	27.8	23.3	29.0	28.2			
% of Total Pop. - 65+	18.3	15.0	12.8	7.6	4.4	2.8	2.2	6.6	3.8	8.8	9.0			
Mean Family Inc.	\$8,777	\$8,509	\$10,725	\$12,528	\$12,886	\$114,072	\$12,752	\$12,752	\$11,971	\$11,971				
Median Family Inc.	\$6,337	\$6,709	\$9,235	\$11,087	\$11,702	\$12,801	\$13,121	\$11,340	\$12,505	\$11,482	\$10,342			
No. of Households	20,885	29,505	71,044	77,140	67,830	35,158	32,886	3,327	2,836	1,364	5,658			
No. of Families	7,175	16,620	57,121	65,919	65,279	36,552	33,552	3,705	2,737	1,685	5,654			
Average H.H. Size	1.8	2.4	3.0	3.2	3.7	4.2	4.3	4.1	3.9	4.6	3.8			
Average Fam. Size	2.9	3.2	3.4	3.4	3.7	4.1	4.1	3.4	3.8	3.5	3.6			
Total No. of Renters	19,998	24,358	30,708	28,402	17,756	7,168	1,429	1,322	792	311	1,667			
Avg. Rent Paid	\$86	\$93	\$96	\$119	\$123	\$136	\$130	\$85	\$115	\$85	\$87			
Median Rent Paid	\$68	\$77	\$88	\$120	\$123	\$135	\$78	\$120	\$72	\$72	\$73			
% of Total Pop. Renting	96.0	82.6	42.7	36.8	26.2	20.4	11.1	39.7	27.9	22.8	29.5			
Total No. of Home Owners	827	5,147	41,136	48,738	50,074	27,990	11,457	2,005	2,044	1,053	3,991			
Avg. Value of House	\$12,707	\$16,444	\$16,957	\$20,703	\$22,543	\$25,336	\$25,783	\$25,289	\$24,036	\$22,924	\$19,153			
Median Value of House	\$10,735	\$13,078	\$15,135	\$18,641	\$19,703	\$23,000	\$23,043	\$22,116	\$21,759	\$21,092	\$16,321			
% of Total Pop. Own Home	4.0	17.4	57.3	63.2	73.8	79.6	88.9	60.3	72.1	77.2	70.5			
No. Own 0 Autos. (1)	10,740 (50.0)	9,936 (31.9)	11,297 (14.7)	4,854 (6.0)	2,507 (3.4)	665 (1.7)	226 (1.6)	252 (5.6)	96 (3.0)	47 (2.6)	569 (8.8)			
No. Own 1 Auto. (1)	8,844 (41.2)	15,224 (48.8)	37,324 (41.9)	34,194 (41.9)	26,747 (36.5)	12,511 (31.4)	3,711 (26.9)	1,799 (40.3)	1,163 (34.5)	748 (40.8)	2,542 (39.2)			
No. Own 2 Autos. (1)	1,558 (7.2)	4,009 (15.7)	22,679 (29.6)	33,801 (41.5)	34,904 (47.6)	21,378 (33.6)	7,976 (57.8)	1,723 (31.6)	1,529 (48.0)	783 (42.7)	2,659 (41.0)			
No. Own 3+ Autos. (1)	528 (1.7)	1,125 (3.6)	5,313 (6.9)	8,666 (10.6)	9,115 (12.5)	5,294 (13.3)	1,894 (13.7)	689 (12.5)	398 (12.5)	257 (14.0)	710 (11.0)			

TABLE 11-2. JOURNEY-TO-WORK DATA - DENVER

SMSA: DENVER, COLO.		PLACE OF RESIDENCE (000)						EMPLOY- MENT DENSITY FOR GRAND TOTALS (PER SQ. MI.)	
		LIVING IN THE SMSA			LIVING OUTSIDE SMSA, WORKING IN IT				
		SMSA TOTAL	URBANIZED AREA TOTAL	U.A. TOTAL	CENTRAL CITY	URBAN- IZED RING	RURAL AND SCATTERED URBAN		
HOME- TO- WORK FLOWS	PLACE OF WORK (000)	S M S A.	U. CEN- TRAL CITY	U. CEN- TRAL CITY TOTAL	U. CEN- TRAL CITY TOTAL	U. CEN- TRAL CITY TOTAL	U. CEN- TRAL CITY TOTAL	U. CEN- TRAL CITY TOTAL	
	AUTO DRIVER; AUTO PASS.	86%	85%	81%	89%	88%	92%	86%	
DISTRIBU- TION OF WORK TRIPS BY MODE (%)	PUBLIC TRANSPORTATION	4	5	8	1	1	0	4	
	WALK; WORK AT HOME	8	8	10	7	7	0	8	
	TAXI; OTHER	2	2	1	3	4	8	2	
	GRAND TOTAL	488	419	210	209	69	12	500	
	WORKER DENSITY FOR GRAND TOTALS (PER SQ. MI.)	133	1,430	2,211	1,056	21			

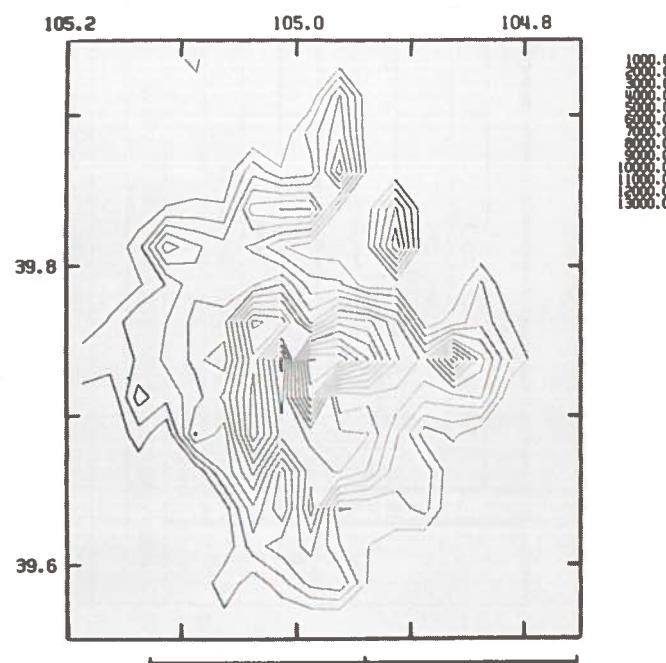
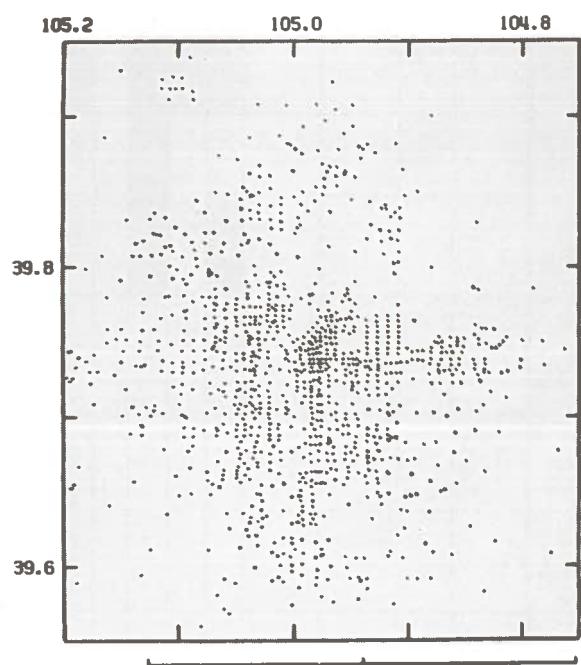
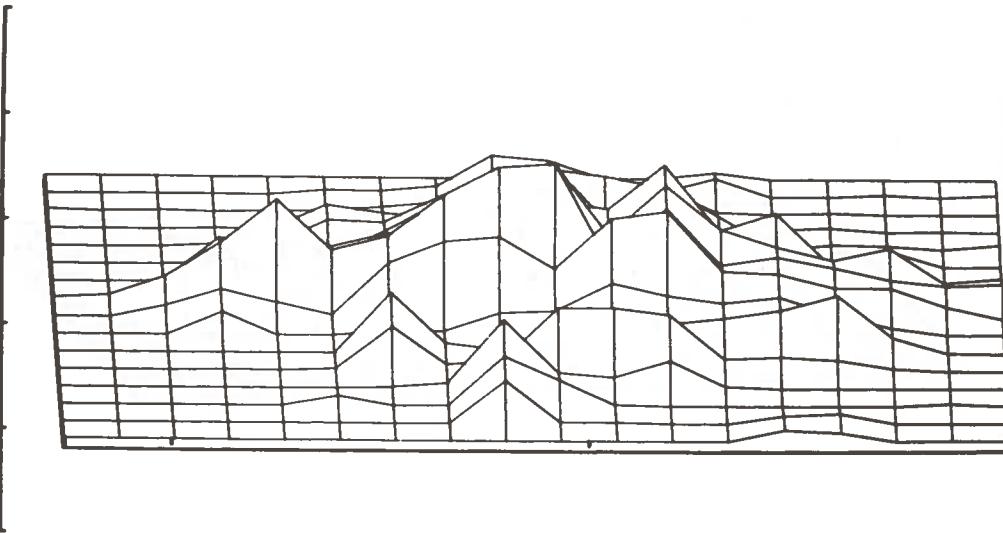
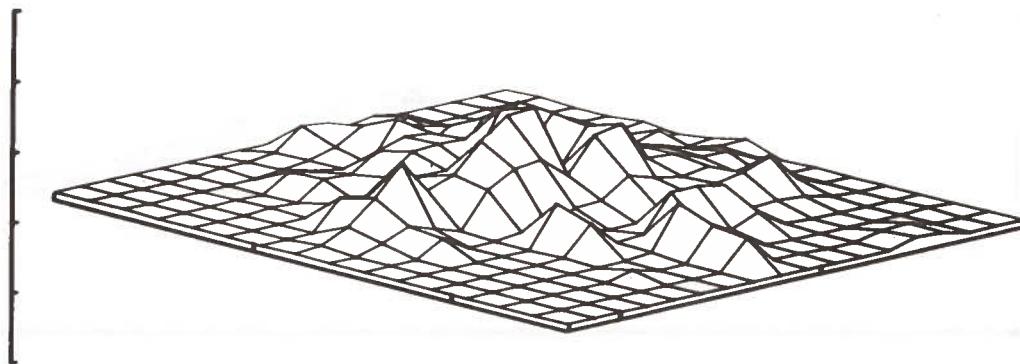


Figure 11-1. Population Density Plots - Dot and Contour Maps - Denver

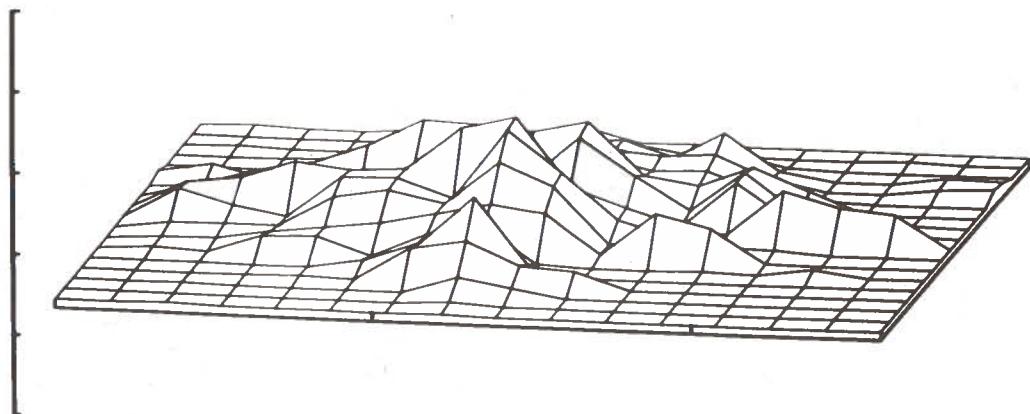


0.0 DEGREES

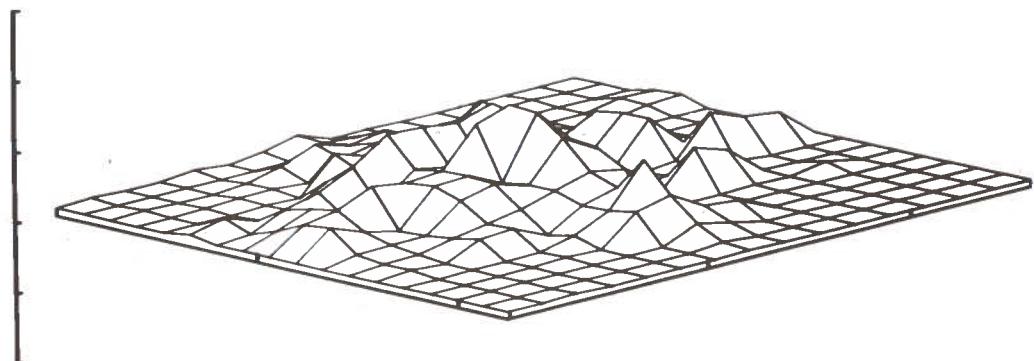


45.0 DEGREES

Figure 11-2. Population Density Plots - Isometric Views
 $(0^\circ, 45^\circ)$ - Denver

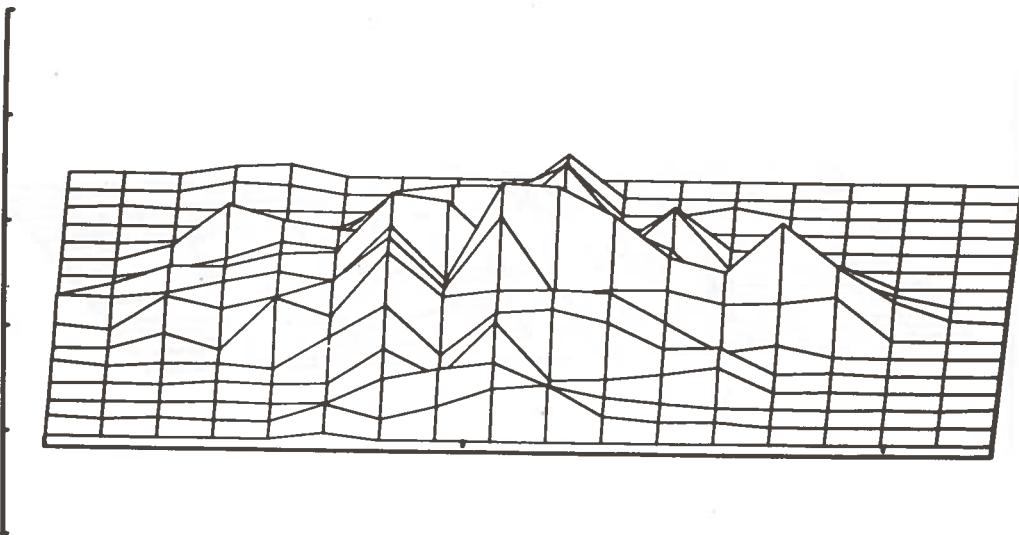


90.0 DEGREES

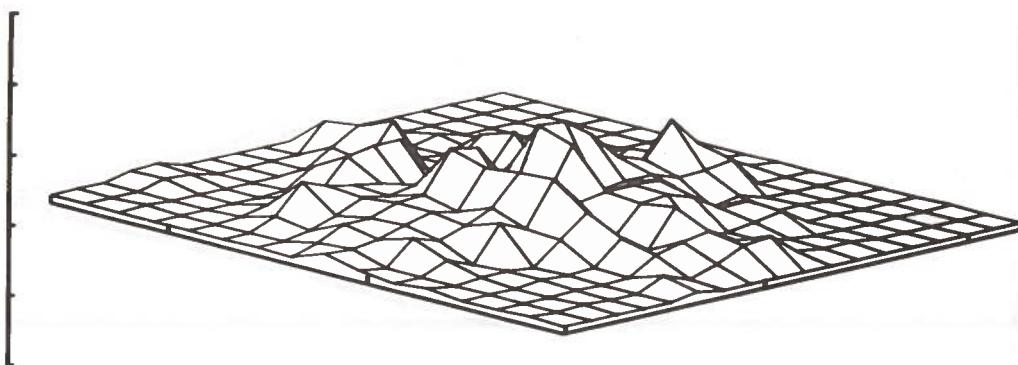


135.0 DEGREES

Figure 11-3. Population Density Plots - Isometric Views
(90° , 135°) - Denver

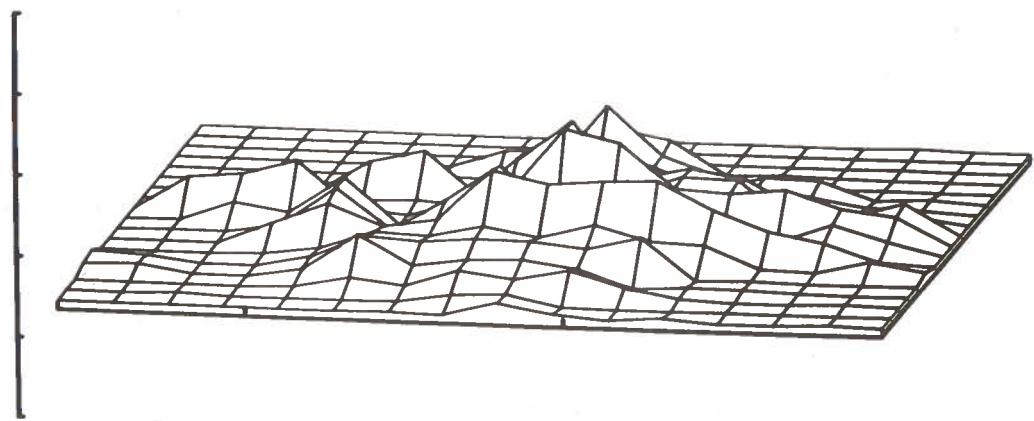


180.0 DEGREES

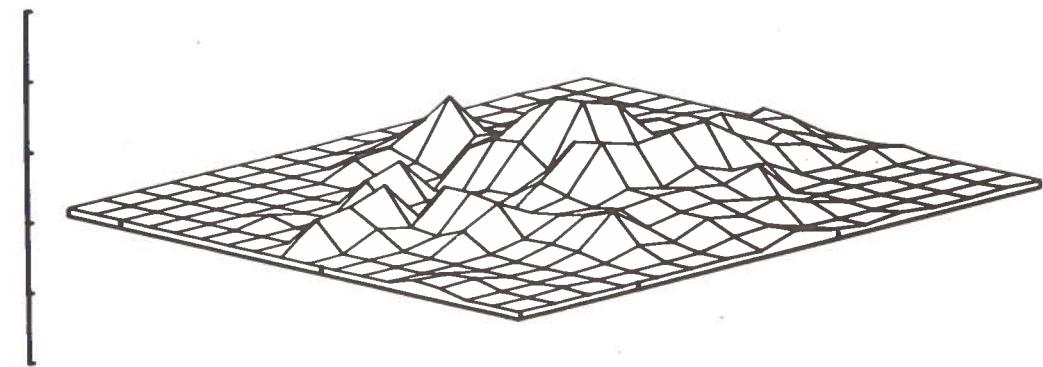


225.0 DEGREES

Figure 11-4. Population Density Plots - Isometric Views
(180°, 225°) - Denver



270.0 DEGREES



315.0 DEGREES

Figure 11-5. Population Density Plots - Isometric Views
(270° , 315°) - Denver

12. DETROIT, MICHIGAN

TABLE 12-1. SOCIO-ECONOMIC DATA BY URBAN RING - DETROIT

URBAN CHARACTERISTICS	CITY TRACTS BY INNER & OUTER RADII	CITY: DETROIT, MICHIGAN U. A. RANK: 5	TOTAL POP.		LAND AREA (Sq. Mi.)		POP. DENSITY		LATITUDE: 42° 3°		
			0.0 - 1.0 MI. (1)	1.0 - 2.0 MI. (1)	2.0 - 4.0 MI. (1)	4.0 - 6.0 MI. (1)	6.0 - 8.0 MI. (1)	8.0 - 10.0 MI. (1)	10.0 - 12.0 MI. (1)	12.0 - 14.0 MI. (1)	14.0 - 16.0 MI. (1)
Total Pop. (1)	28,272 (100.0)	56,695 (100.0)	275,890 (100.0)	451,589 (100.0)	486,141 (100.0)	487,992 (100.0)	537,411 (100.0)	505,414 (100.0)	338,211 (100.0)	256,461 (100.0)	167,935 (100.0)
White Pop. (1)	18,562 (65.7)	22,703 (40.0)	89,646 (32.5)	176,896 (39.2)	358,569 (59.6)	436,100 (89.4)	528,772 (98.4)	492,618 (97.5)	327,886 (96.9)	252,669 (98.6)	163,893 (97.8)
Black Pop. (1)	9,004 (31.0)	35,914 (58.1)	184,179 (66.8)	275,008 (60.2)	143,928 (59.8)	49,730 (10.2)	6,776 (1.3)	10,612 (2.1)	9,223 (2.7)	2,639 (1.0)	3,156 (1.9)
Span. (4 of white)	1,189 (4.2)	2,353 (4.1)	7,970 (2.9)	6,316 (1.4)	5,769 (1.2)	5,383 (1.1)	4,595 (.9)	4,514 (.8)	2,321 (.7)	2,145 (.8)	1,104 (.7)
Other (1)	706 (2.5)	1,075 (1.9)	2,065 (0.7)	2,685 (.6)	2,704 (.6)	2,162 (.4)	1,863 (.3)	2,184 (.4)	1,402 (.4)	953 (.4)	584 (.3)
Total Male Pop.	16,573	27,473	154,035	215,841	230,261	234,345	261,779	247,579	167,225	126,669	83,123
Median Male Age	44.0	50.3	27.6	26.7	28.9	28.9	27.3	25.4	23.6	23.6	24.9
Total Female Pop.	11,699	29,222	141,955	235,748	255,880	251,647	275,632	257,855	170,986	129,772	84,510
Median Female Age	40.7	29.3	28.8	28.2	33.0	32.3	29.6	27.1	24.6	24.6	26.4
% of Total Pop. >55	21.0	13.8	11.2	9.9	12.3	10.2	7.6	5.8	4.6	4.6	5.2
Mean Family Inc.	\$9,448	\$7,631	\$8,710	\$9,691	\$12,256	\$13,563	\$14,692	\$14,901	\$14,730	\$15,834	\$120,422
Median Family Inc.	\$7,017	\$6,177	\$7,980	\$8,927	\$11,141	\$12,590	\$13,252	\$13,626	\$13,733	\$13,988	\$115,962
No. of Households	13,952	21,227	57,857	121,931	142,364	145,140	151,903	139,134	87,790	67,821	41,484
No. of Families	4,228	11,415	62,163	108,293	126,562	129,551	139,242	127,077	82,255	63,342	41,769
Average H.H. Size	1.9	2.5	3.6	3.7	3.4	3.3	3.5	3.6	3.8	3.8	4.0
Average Fam. Size	3.2	3.5	3.8	3.7	3.5	3.5	3.7	3.8	3.9	3.8	3.8
Total No. of Renters	13,716	19,573	51,337	71,503	44,859	26,627	27,053	25,985	16,005	15,612	6,042
Avg. Rent Paid	\$83	\$76	\$69	\$77	\$96	\$113	\$129	\$150	\$149	\$162	\$157
Median Rent Paid	\$65	\$58	\$54	\$57	\$50	\$117	\$131	\$157	\$159	\$167	\$151
% of Total Pop. Renting	98.3	92.2	69.5	58.6	31.5	18.3	14.5	18.7	18.2	23.0	14.5
Total No. of Home Owners	236	1,654	22,520	50,428	97,505	118,515	129,850	113,149	71,785	52,219	55,460
Avg. Value of House	\$8,976	\$9,422	\$11,097	\$12,433	\$17,653	\$19,715	\$22,224	\$24,465	\$25,594	\$28,000	\$34,718
Median Value of House	36,800	\$7,900	\$10,628	\$11,944	\$16,410	\$18,084	\$20,693	\$22,249	\$23,441	\$24,642	\$31,766
% of Total Pop. Own Home	1.7	7.8	30.5	41.4	68.5	81.7	85.5	81.3	81.8	77.0	85.5
No. Own Autos. (1)	9,189 (62.2)	13,595 (58.9)	38,272 (43.5)	50,543 (34.5)	27,062 (17.4)	15,115 (9.9)	9,688 (6.1)	6,350 (4.4)	2,472 (3.5)	1,340 (2.9)	
No. Own 1 Auto. (1)	4,548 (30.8)	7,898 (34.2)	38,813 (44.2)	70,621 (48.2)	82,821 (51.8)	75,572 (49.2)	71,185 (44.9)	62,988 (43.9)	58,708 (42.4)	29,255 (40.9)	15,481 (34.0)
No. Own 2 Autos. (1)	604 (4.1)	1,313 (5.7)	9,376 (10.7)	21,865 (14.9)	41,759 (26.1)	52,353 (34.1)	64,566 (40.8)	63,303 (43.8)	42,618 (46.6)	23,465 (51.6)	
No. Own 3+ Autos. (1)	436 (3.0)	285 (1.2)	1,439 (1.6)	3,344 (12.3)	7,369 (4.6)	10,505 (6.8)	12,587 (8.2)	11,887 (8.2)	7,150 (7.8)	5,183 (11.4)	

TABLE 12-2. JOURNEY-TO-WORK DATA - DETROIT

SMSA: DETROIT, MICH.		PLACE OF RESIDENCE (000)								EMPLOY- MENT DENSI TY FOR GRAND TOTALS (PER SQ. MI.)	
		LIVING IN THE SMSA				LIVING OUTSIDE SMSA, WORKING IN IT					
		URBANIZED AREA		RURAL AND SCATTERED URBAN	URBAN- IZED RING	URBAN- IZED CITY	CENTRAL CITY	U.A. TOTAL	SMSA TOTAL		
		1473	1405	526	879	68	42	1515	776		
		- 1409	- 1355	- 518	- 837	- 24	- 34	- 1443	- 1655		
		583	571	357	214	12	9	592	4,290		
		- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -		
		86	84	51	33	2	1	87	79,091		
		- - -	- 497	- 487	- 306	- 181	- 10	- 8	- 505	- 3,689	
		826	784	161	623	42	25	851	1,159		
		64	50	8	42	14	8	72	67		
		- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -		
		36	32	7	25	4	36	- - -	- - -		
		1509	1437	533	904	72	42	155	- - -		
		773	1,648	3,862	1,232	67	- - -	- - -	- - -		
		- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -		
DISTRIBUTION OF WORK TRIPS BY MODE (\$)	AUTO DRIVER; AUTO PASS.	85%	85%	76%	91%	88%	93%	86%	86%		
	PUBLIC TRANSPORTATION	8	8	18	2	4	0	8	8		
	WALK; WORK AT HOME	5	5	5	5	3	2	5	5		
	TAXI; OTHER	2	2	1	2	5	5	1	1		

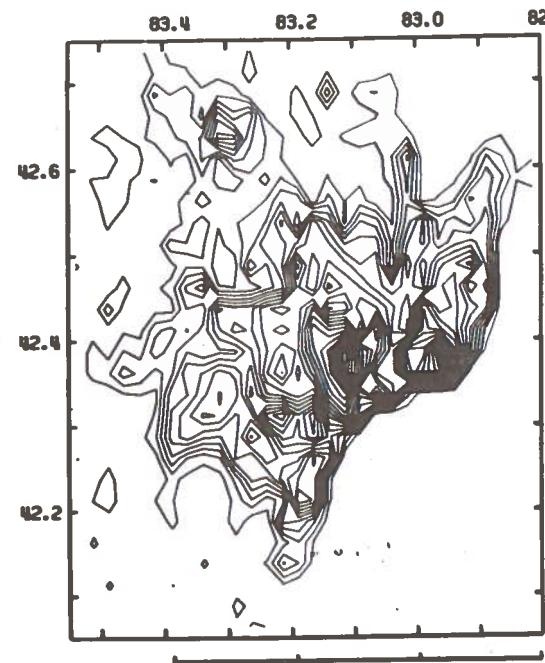
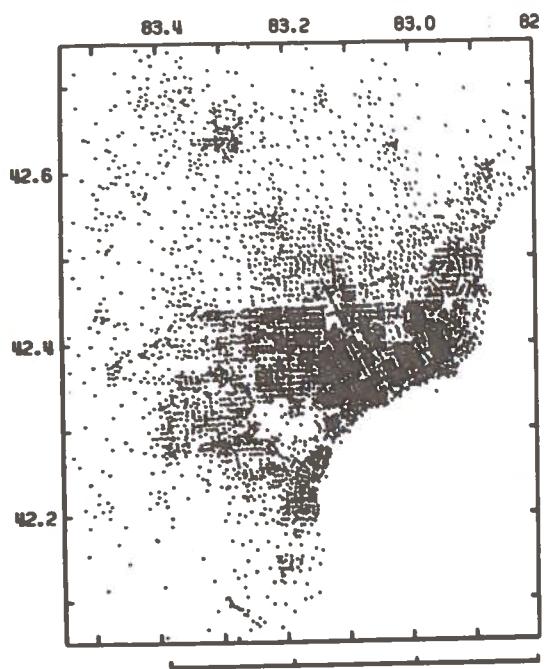
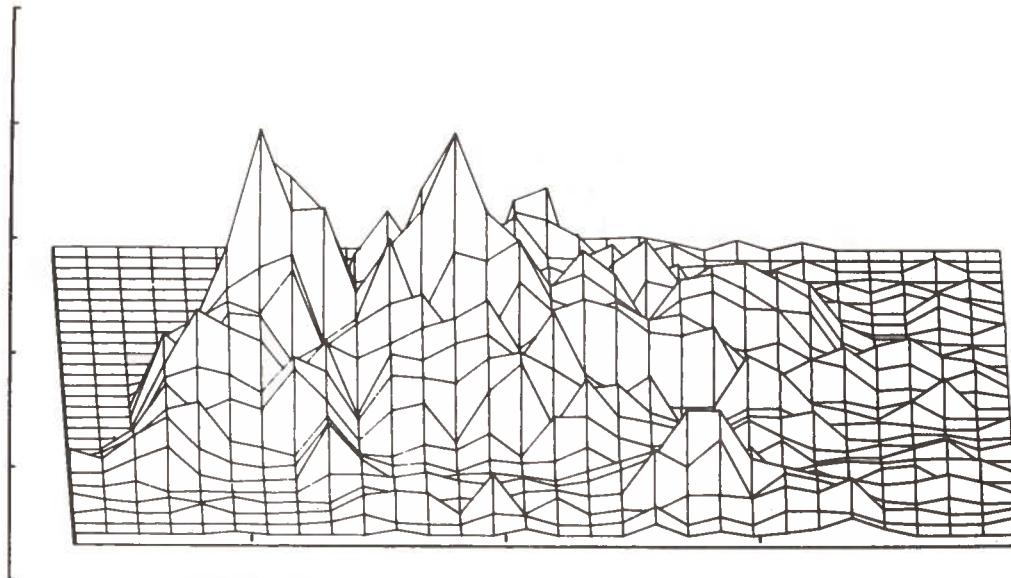
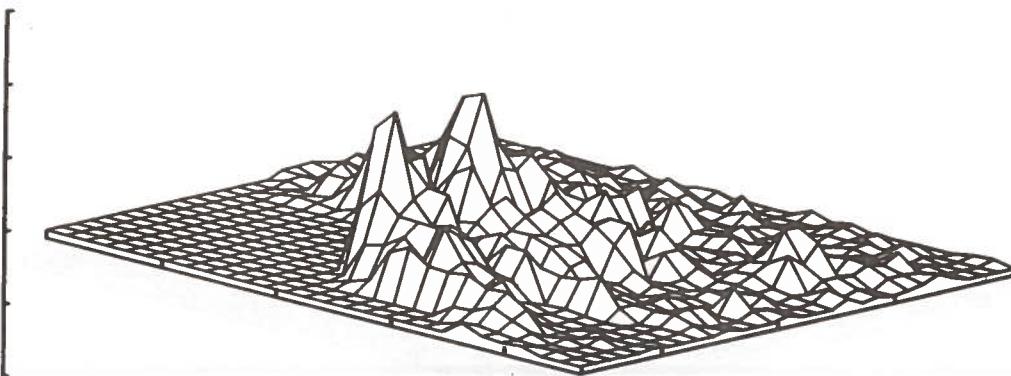


Figure 12-1. Population Density Plots - Dot and Contour Maps - Detroit

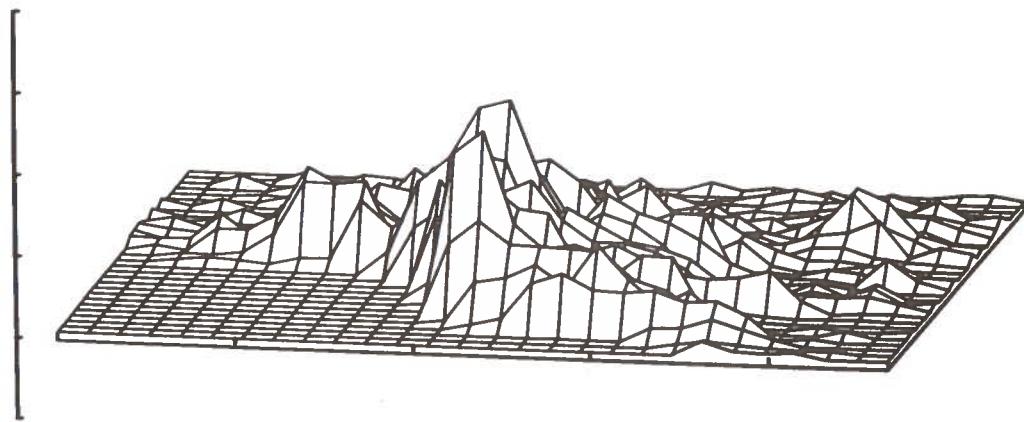


0.0 DEGREES

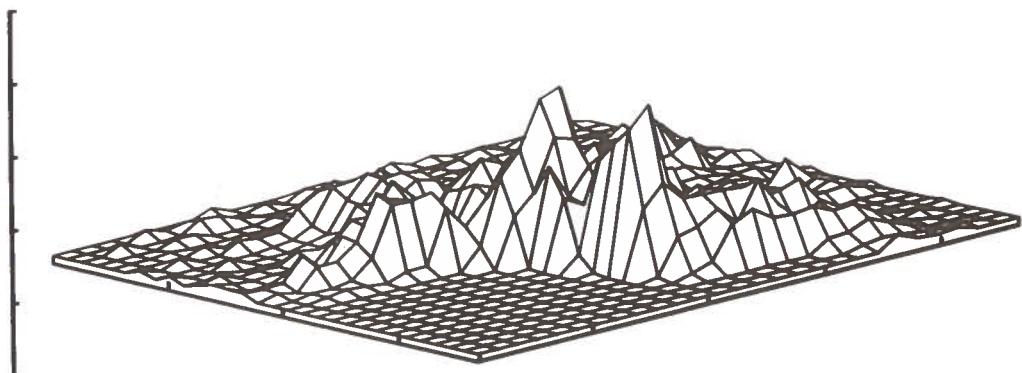


45.0 DEGREES

Figure 12-2. Population Density Plots - Isometric Views
(0° , 45°) - Detroit

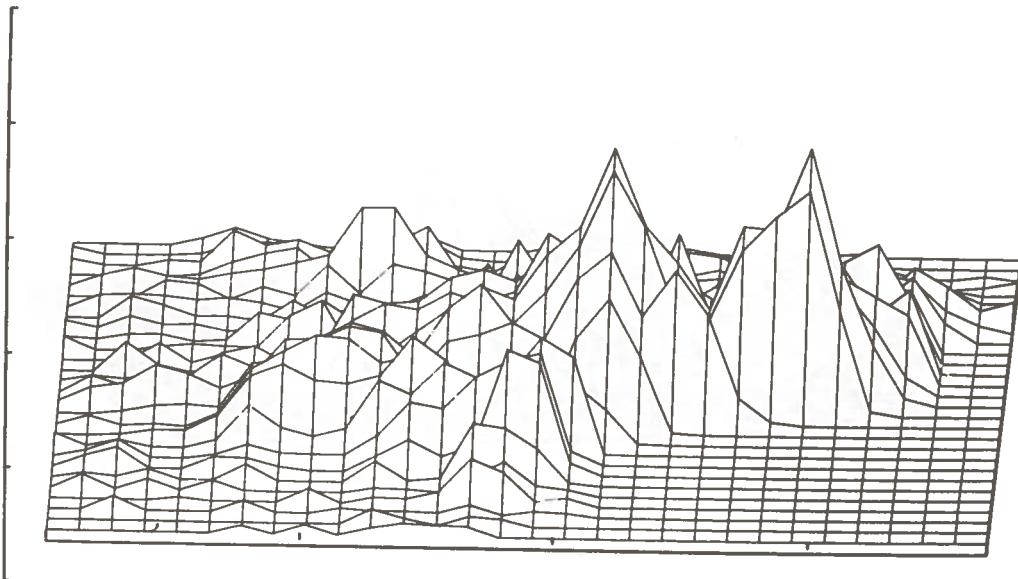


90.0 DEGREES

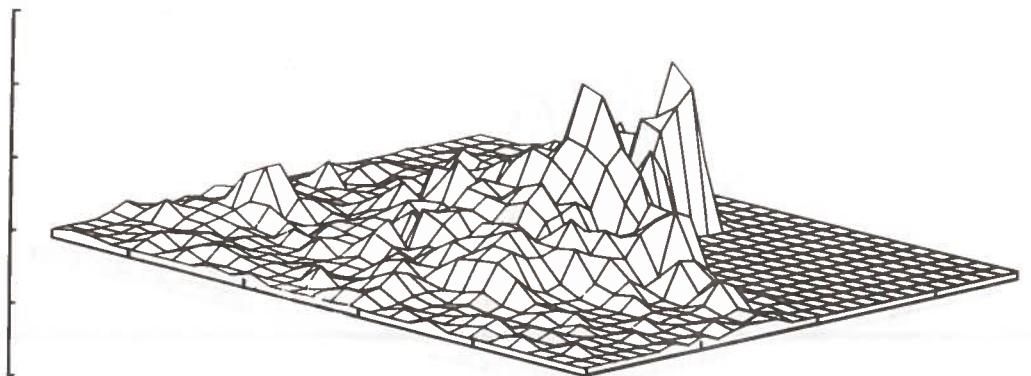


135.0 DEGREES

Figure 12-3. Population Density Plots - Isometric Views
(90°, 135°) - Detroit

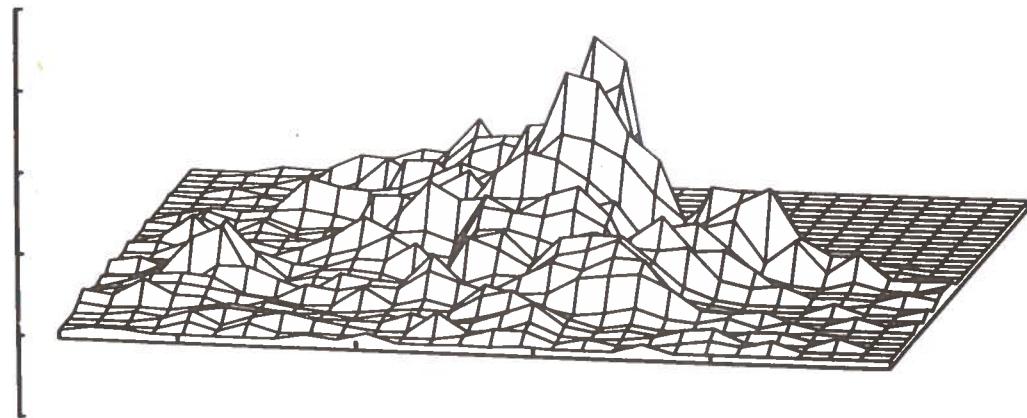


180.0 DEGREES

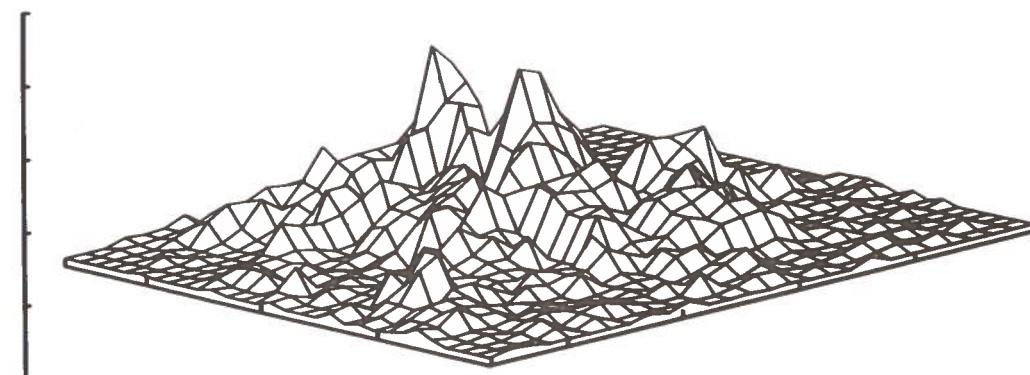


225.0 DEGREES

Figure 12-4. Population Density Plots - Isometric Views
(180°, 225°) - Detroit



270.0 DEGREES



315.0 DEGREES

Figure 12-5. Population Density Plots - Isometric Views
(270° , 315°) - Detroit

13. HOUSTON, TEXAS*

*See Notes, Section 3.2.

TABLE 13-1. SOCIO-ECONOMIC DATA BY URBAN RING - HOUSTON

CITY TRACTS BY INNER & OUTER RADII	CITY: HOUSTON, TEXAS U.A. RANK: 13	TOTAL POP.		LAND AREA (sq. mi.)		POP. DENSITY		LATITUDE: 29° 45' LONGITUDE: 95° 21' 7"	
		5%SA: URBANIZED AREA: CENTRAL CITY: CBD:	1,985,000 1,677,863 1,231,000 25,1439	6,286 536 597 4.49	3,115 3,162 5,355	0.0 mi. PIVOT POINT:	14.0 - 16.0 mi. 16.0 - 18.0 mi. 18.0 - 20.0 mi.	15,829(100.0) 15,358(97.3) 40,980(100.0)	15,829(100.0) 15,358(97.3) 40,980(100.0)
Total Pop. (1)	14,047(100.0)	73,776(100.0)	251,683(100.0)	253,088(100.0)	316,936(100.0)	275,305(100.0)	247,892(100.0)	114,192(100.0)	67,048(100.0)
White Pop. (1)	9,041 (64.4)	22,545 (30.6)	161,256 (64.1)	166,143 (65.7)	246,711 (77.8)	235,837 (87.1)	240,403 (97.0)	112,154 (98.2)	64,243 (95.9)
Black Pop. (1)	4,944 (35.2)	87,000 (34.6)	85,183 (33.7)	68,033 (21.5)	35,756 (12.3)	6,360 (2.6)	1,646 (1.4)	2,414 (1.4)	377 (2.4)
Span. (# of White) (1)	5,481 (39.0)	11,491 (15.6)	60,610 (24.1)	31,376 (12.4)	22,696 (7.7)	20,285 (7.4)	16,523 (6.7)	6,375 (5.6)	6,203 (15.1)
Other (1)	62 (1.4)	453 (.6)	3,427 (1.4)	1,732 (.7)	2,212 (.7)	1,712 (.6)	1,129 (.5)	592 (.3)	442 (2.8)
Total Male Pop. (1)	7,662	34,912	170,364	122,135	153,925	134,433	123,034	57,080	35,752
Median Male Age (1)	30.0	24.4	26.4	26.2	25.8	25.1	23.4	23.1	22.4
Total Female Pop. (1)	6,385	38,864	131,319	130,923	163,031	140,872	124,858	57,112	33,296
Median Female Age (1)	25.8	26.9	27.9	28.2	26.7	25.6	24.5	23.5	22.9
% of Total Pop. - 65+ (1)	10.1	9.7	9.7	8.6	5.4	4.0	3.2	2.3	2.9
Mean Family Inc. (1)	\$5,919	\$6,141	\$8,696	\$10,576	\$12,419	\$14,223	\$12,440	\$14,888	\$14,544
Median Family Inc. (1)	\$4,232	\$5,232	\$7,571	\$8,642	\$10,629	\$11,846	\$11,030	\$15,242	\$12,856
No. of Households (1)	4,789	2,403	84,091	85,916	79,897	83,990	66,379	29,308	31,195
No. of Families (1)	16,174	60,142	64,491	70,959	63,221	63,221	29,185	16,406	37,740
Average H.H. Size (1)	2.7	3.0	2.9	3.1	3.3	3.4	3.7	3.9	4.059
Average Fam. Size (1)	4.1	3.7	3.5	3.5	3.5	3.7	3.8	4.0	3.7
Total No. of Renters (1)	4,408	19,536	55,324	38,146	37,299	26,533	19,373	5,914	2,896
Avg. Rent Paid (1)	\$68	\$60	\$85	\$95	\$126	\$133	\$131	\$142	\$113
Median Rent Paid (1)	\$58	\$51	\$72	\$66	\$123	\$131	\$132	\$94	\$75
% of Total Pop. Renting (1)	91.9	82.3	65.8	47.7	38.9	33.2	29.2	20.2	18.4
Total No. of Home Owners (1)	386	4,214	28,767	41,741	58,617	53,459	47,006	23,394	12,803
Avg. Value of House (1)	\$10,903	\$11,397	\$12,939	\$14,510	\$16,856	\$20,414	\$18,624	\$25,634	\$3,027
Median Value of House (1)	\$10,404	\$10,653	\$11,307	\$11,895	\$13,774	\$16,191	\$17,399	\$23,377	\$19,582
% of Total Pop. Own Home (1)	8.1	17.7	34.2	52.1	61.1	66.8	70.8	79.8	81.6
No. Own 0 Autos. (1)	2,855 (58.5)	17,510 (46.4)	20,749 (23.4)	12,726 (14.6)	6,373 (6.4)	3,783 (4.6)	1,872 (2.7)	572 (1.8)	447 (2.6)
No. Own 1 Auto. (1)	1,698 (34.8)	10,547 (42.5)	46,514 (52.5)	42,968 (51.2)	44,669 (44.8)	32,973 (39.9)	26,552 (37.7)	9,528 (30.7)	5,515 (31.0)
No. Own 2 Autos. (1)	275 (5.6)	2,359 (9.6)	18,153 (20.5)	24,490 (29.2)	40,647 (40.8)	38,167 (46.3)	35,078 (50.4)	18,099 (58.4)	9,448 (54.4)
No. Own 3+ Autos. (1)	49 (1.0)	356 (1.4)	3,114 (3.5)	4,273 (5.0)	7,919 (8.0)	7,613 (9.2)	6,360 (9.1)	2,795 (9.0)	1,952 (11.3)

TABLE 13-2. JOURNEY-TO-WORK DATA - HOUSTON

SMSA: HOUSTON, TEXAS		PLACE OF RESIDENCE (000)						EMPLOY- MENT DENSITY FOR GRAND TOTALS (PER SQ. MI.)		
		LIVING IN THE SMSA			LIVING OUTSIDE SMSA, WORKING IN IT					
		SMSA TOTAL	U.A. TOTAL	CENTRAL CITY	RURAL AND SCATTERED URBAN	URBAN- IZED RING				
S	M	SMSA TOTAL	766	663	498	165	103	24	790	126
S	M	URBANIZED AREA TOTAL	695	632	490	142	63	21	716	1,328
S	M	CENTRAL CITY TOTAL	578	547	456	91	31	13	591	1,489
S	M	CENTRAL CITY TOTAL	—	—	—	—	—	—	—	—
S	M	CBD	104	101	84	17	3	1	105	23,353
S	M	OTHER	474	446	372	74	28	12	486	1,238
S	M	URBANIZED RING	117	85	34	51	32	8	125	880
S	M	RURAL & SCATTERED URBAN	71	31	8	23	40	3	74	13
S	M	WORKING OUTSIDE SMSA, LIVING IN IT	14	11	6	5	3	—	14	—
S	M	GRAND TOTAL	780	674	504	170	106	24	804	—
HOME- TO- WORK FLOWS		WORKER DENSITY FOR GRAND TOTALS (PER SQ. MI.)	124	1,251	1,270	1,197	18	—	—	—
DISTRIBUTION OF WORK TRIPS BY MODE (%)	AUTO DRIVERS; AUTO PASS.	87%	87%	86%	90%	89%	92%	87%	87%	
PUBLIC TRANSPORTATION		5	6	7	2	0	0	5	5	
WALK; WORK AT HOME		5	5	5	4	7	0	5	5	
TAXI; OTHER		3	2	2	4	4	8	3	3	

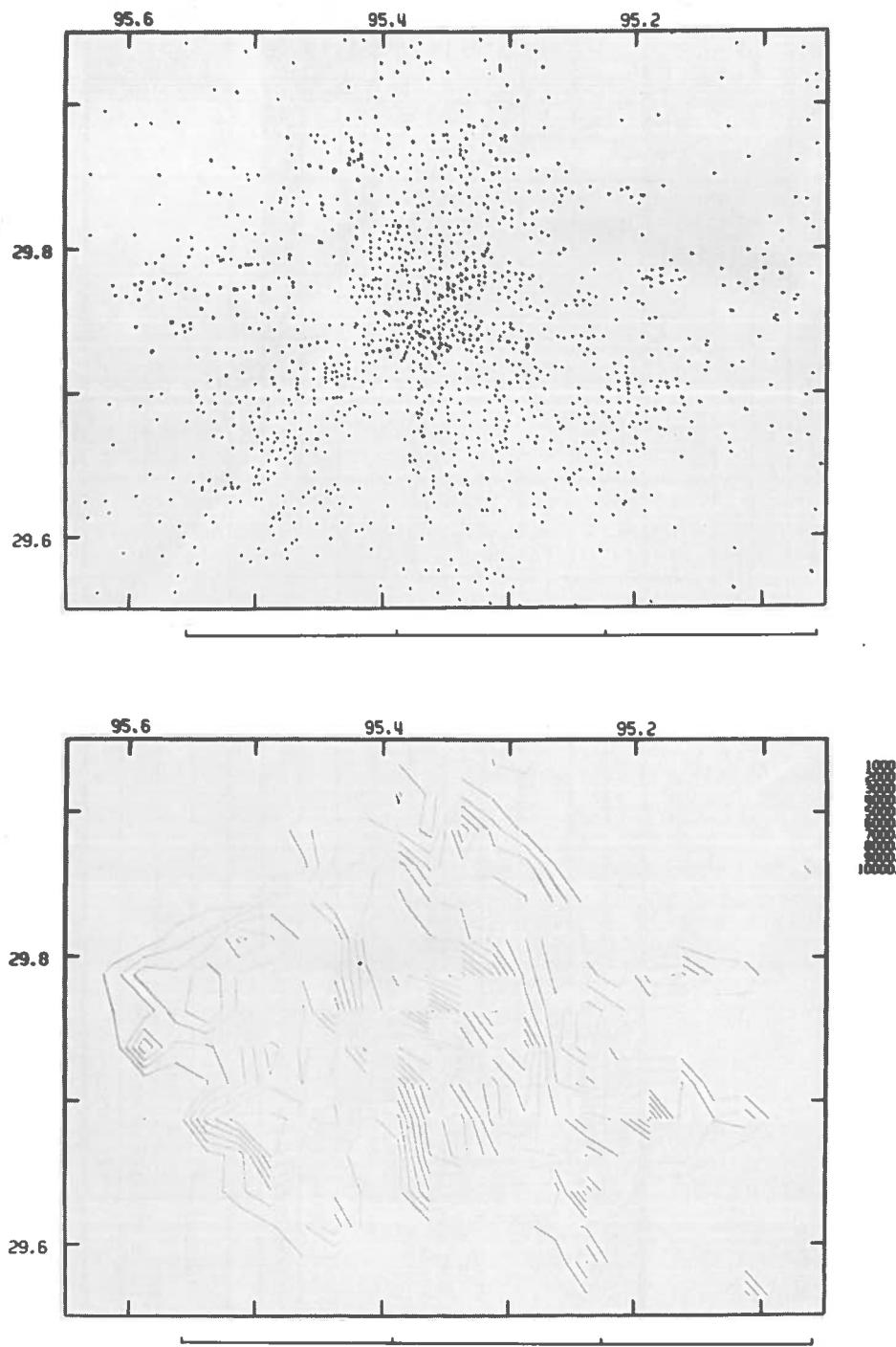
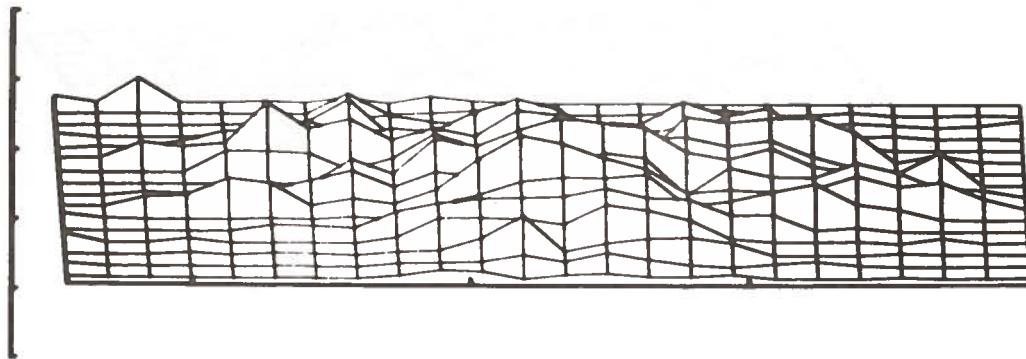


Figure 13-1. Population Density Plots - Dot and Contour Maps - Houston

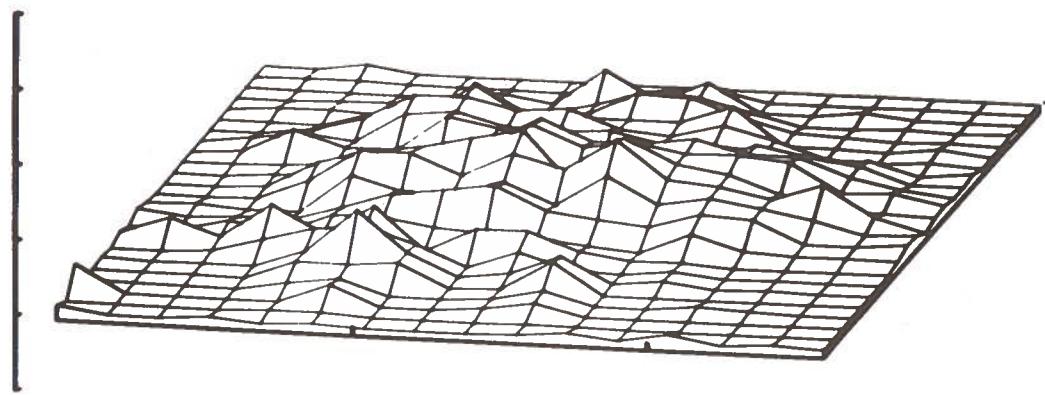


0.0 DEGREES

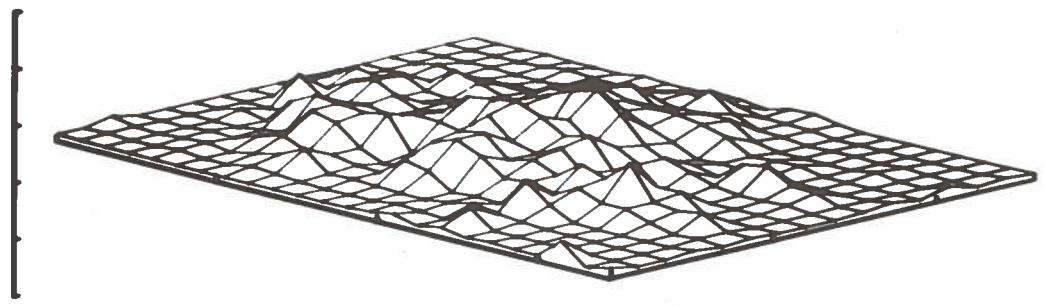


45.0 DEGREES

Figure 13-2. Population Density Plots - Isometric Views
(0° , 45°) - Houston

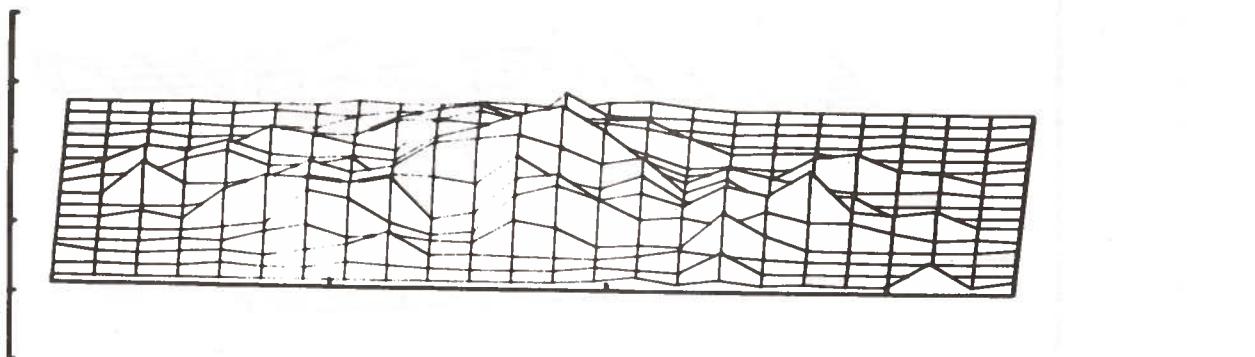


90.0 DEGREES

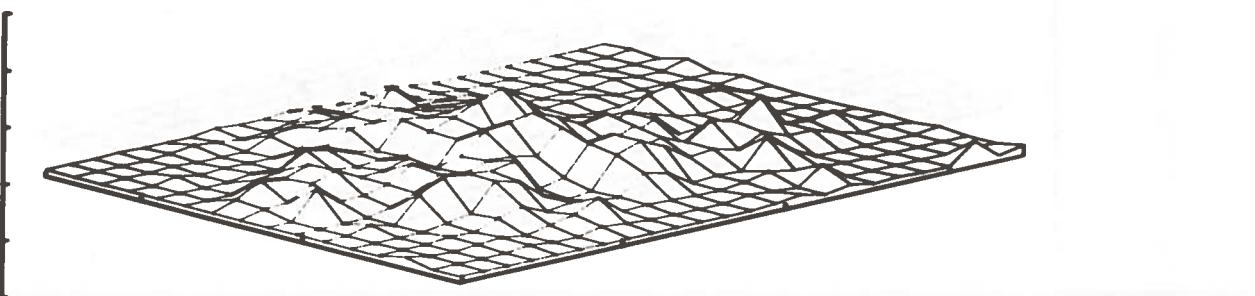


135.0 DEGREES

Figure 13-3. Population Density Plots - Isometric Views
(90° , 135°) - Houston

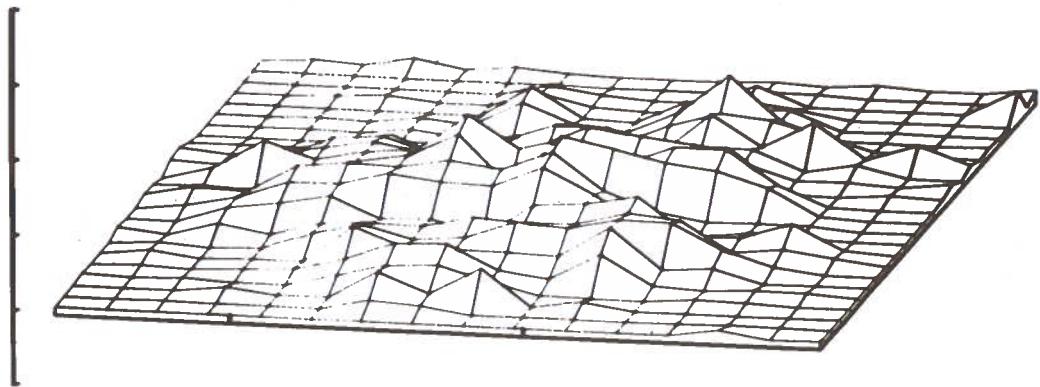


180.0 DEGREES

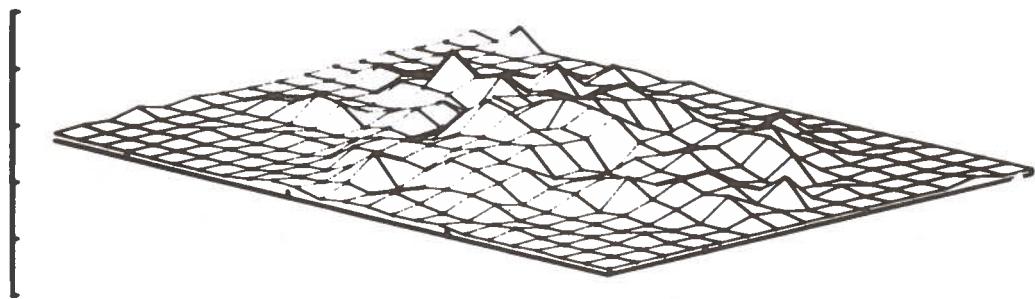


225.0 DEGREES

Figure 13-4. Population Density Plots - Isometric Views
(180°, 225°) - Houston



270.0 DEGREES



315.0 DEGREES

Figure 13-5. Population Density Plots - Isometric Views
(270° , 315°) - Houston

14. INDIANAPOLIS, INDIANA*

*See Notes, Section 3.2.

TABLE 14-1. SOCIO-ECONOMIC DATA BY URBAN RING - INDIANAPOLIS

URBAN CHARACTERISTICS	CITY TRACTS BY INNER & OUTER RADII		TOTAL POP.		LAND AREA (SD. MI.)		POP. DENSITY		LATITUDE: $35^{\circ} 46' 12''$ LONGITUDE: $86^{\circ} 9' 18''$	
	CITY: INDIANAPOLIS, IND. U. A. RANK: 29		SMSA: URBANIZED AREA: CENTRAL CITY: CBD:		1,111,000 820,259 743,900 9,702		3,080 381 352 2,3		361 2,152 2,113 4,218	
	0.0 - 1.0 MI. 1.0 - 2.0 MI. 2.0 - 4.0 MI. 4.0 - 6.0 MI. 6.0 - 8.0 MI. 8.0 - 10.0 MI. 10.0 - 12.0 MI. 12.0 - 14.0 MI. 14.0 - 16.0 MI. 16.0 - 18.0 MI. 18.0 - 20.0 MI.		0.0 - 1.0 MI. 1.0 - 2.0 MI. 2.0 - 4.0 MI. 4.0 - 6.0 MI. 6.0 - 8.0 MI. 8.0 - 10.0 MI. 10.0 - 12.0 MI. 12.0 - 14.0 MI. 14.0 - 16.0 MI. 16.0 - 18.0 MI. 18.0 - 20.0 MI.		0.0 - 1.0 MI. 1.0 - 2.0 MI. 2.0 - 4.0 MI. 4.0 - 6.0 MI. 6.0 - 8.0 MI. 8.0 - 10.0 MI. 10.0 - 12.0 MI. 12.0 - 14.0 MI. 14.0 - 16.0 MI. 16.0 - 18.0 MI. 18.0 - 20.0 MI.		0.0 MI. PIVOT POINT: 0.0 MI.		0.0 MI.	
Total Pop. (1)	11,240 (100.0)	68,816 (100.0)	233,595 (100.0)	190,785 (100.0)	74,571 (100.0)	51,513 (100.0)	46,196 (100.0)	40,391 (100.0)	14,122 (100.0)	18,044 (100.0)
White Pop. (1)	8,707 (77.5)	49,497 (71.3)	138,690 (62.0)	183,072 (69.1)	73,295 (93.3)	58,924 (98.9)	45,675 (98.9)	40,296 (99.8)	14,096 (99.8)	18,025 (99.9)
Black Pop. (1)	2,454 (21.8)	19,486 (28.3)	84,275 (37.7)	21,370 (10.6)	4,957 (2.6)	1,000 (1.3)	437 (.8)	468 (1.0)	0 (0.0)	0 (0.0)
Span. (% of white)	103 (.9)	353 (.5)	1,541 (.7)	1,515 (.7)	1,510 (.8)	608 (.8)	602 (1.2)	107 (.2)	156 (.4)	36 (.2)
Other (1)	79 (.7)	293 (.4)	630 (.3)	691 (.3)	675 (.4)	276 (.4)	134 (.3)	53 (.1)	95 (.2)	19 (.1)
Total Male Pop.	6,067	12,397	104,811	96,409	92,502	36,891	25,298	23,185	19,936	8,920
Median Male Age	43.5	26.2	25.74	25.8	26.8	24.8	24.8	23.8	23.8	25.5
Total Female Pop.	5,173	36,449	118,714	105,724	91,283	37,680	26,215	23,011	20,455	7,127
Median Female Age	49.1	28.3	28.9	28.9	26.9	28.2	26.0	25.9	26.8	28.6
% of Total Pop. 65+	21.5	11.5	10.6	9.1	5.5	6.4	4.9	5.3	7.0	5.6
Mean Family Inc.	\$7,647	\$7,613	\$9,387	\$12,797	\$14,485	\$16,561	\$13,626	\$13,215	\$12,050	\$11,794
Median Family Inc.	\$6,010	\$6,952	\$8,764	\$11,454	\$13,012	\$13,779	\$12,347	\$12,227	\$11,572	\$10,697
No. of Households	5,202	21,650	65,879	61,016	55,222	19,953	13,129	11,092	9,435	3,916
No. of Families	1,813	15,635	54,564	52,457	50,833	19,188	13,643	11,867	10,513	3,618
Average H.H. Size	1.8	3.1	3.3	3.4	3.6	3.9	4.1	4.3	4.6	4.6
Average Fam. Size	3.2	3.6	3.7	3.5	3.6	3.5	3.6	3.7	3.7	3.6
Total No. of Renters ^a	4,950	15,321	30,810	20,286	16,714	6,118	5,040	2,331	2,154	434
Avg. Rent Paid	\$75	\$72	\$80	\$116	\$140	\$136	\$114	\$103	\$87	\$70
Median Rent Paid	\$61	\$59	\$65	\$118	\$134	\$119	\$117	\$103	\$82	\$74
% of Total Pop. Renting	93.2	70.8	46.8	33.3	30.3	30.7	23.2	21.0	22.8	15.8
Total No. of Home Owners	352	6,329	35,069	40,720	36,488	13,835	10,089	8,761	7,279	2,315
Avg. Value of House	\$6,568	\$8,077	\$11,063	\$16,396	\$21,352	\$7,940	\$22,393	\$21,796	\$18,620	2,856
Median Value of House	\$6,232	\$6,433	\$10,926	\$14,779	\$19,599	\$25,303	\$19,376	\$16,244	\$17,582	\$15,433
% of Total Pop. Own Home	6.8	29.2	53.2	66.7	69.7	76.8	79.0	77.2	84.2	74.0
No. Own 0 Auto. (1)	3,509 (65.4)	9,977 (42.3)	17,564 (24.8)	6,017 (9.3)	2,228 (3.8)	900 (4.1)	490 (3.3)	544 (4.1)	653 (5.6)	152 (3.7)
No. Own 1 Auto. (1)	1,634 (30.4)	10,906 (46.3)	38,399 (54.1)	33,513 (51.8)	24,929 (42.6)	8,579 (38.6)	6,623 (44.1)	5,924 (45.0)	5,612 (48.0)	425 (7.7)
No. Own 2 Autos. (1)	190 (3.5)	1,351 (10.0)	13,058 (18.5)	21,754 (35.6)	27,155 (46.7)	10,866 (48.9)	6,891 (45.9)	5,714 (43.5)	1,757 (43.2)	2,661 (48.5)
No. Own 3+Autos. (1)	35 (1.7)	337 (1.4)	1,903 (12.7)	3,490 (5.4)	4,035 (6.9)	1,884 (8.4)	1,021 (6.8)	968 (7.4)	916 (7.8)	356 (8.7)
No. Own 3+Autos. (1)	35 (1.7)	337 (1.4)	1,903 (12.7)	3,490 (5.4)	4,035 (6.9)	1,884 (8.4)	1,021 (6.8)	968 (7.4)	916 (7.8)	318 (15.8)

TABLE 14-2. JOURNEY-TO-WORK DATA - INDIANAPOLIS

		PLACE OF RESIDENCE (000)						EMPLOY- MENT DENSI- TY FOR GRAND TOTALS (PER SQ. MI.)		
		LIVING IN THE SMSA			LIVING OUTSIDE SMSA, WORKING IN IT					
HOME- TO- WORK FLOWS	PLACE OF WORK (000)	SMSA TOTAL	U.A. TOTAL	CENTRAL CITY	URBAN- IZED RING	RURAL AND SCATTERED URBAN	LIVING OUTSIDE SMSA, WORKING IN IT	GRAND TOTAL		
		URBANIZED AREA TOTAL	317	287	30	103	21	441	143	
		CENTRAL CITY TOTAL	342	289	22	53	17	359	942	
		CEN- TRAL CITY	293	246	12	47	13	306	869	
		CBD	57	51	4	6	3	60	26,087	
		OTHER	236	195	8	41	10	246	704	
		URBANIZED RING	49	43	33	10	6	4	53	
		RURAL & SCATTERED URBAN	78	28	20	8	50	4	82	
		WORKING OUTSIDE SMSA, LIVING IN IT	14	8	6	2	6	14	30	
GRAND TOTAL		434	325	293	32	109	21	455		
WORKER DENSITY FOR GRAND TOTALS (PER SQ. MI.)		141	853	832	1,103	40				
DISTRIBU- TION OF WORK TRIPS BY MODE (#)		AUTO DRIVER; AUTO PASS.	85%	84%	84%	87%	90%	85%		
PUBLIC TRANSPORTATION			6	7	8	3	1	0	5	
WALK; WORK AT HOME			7	7	6	9	9	5	7	
TAXI; OTHER			2	2	2	4	3	5	3	

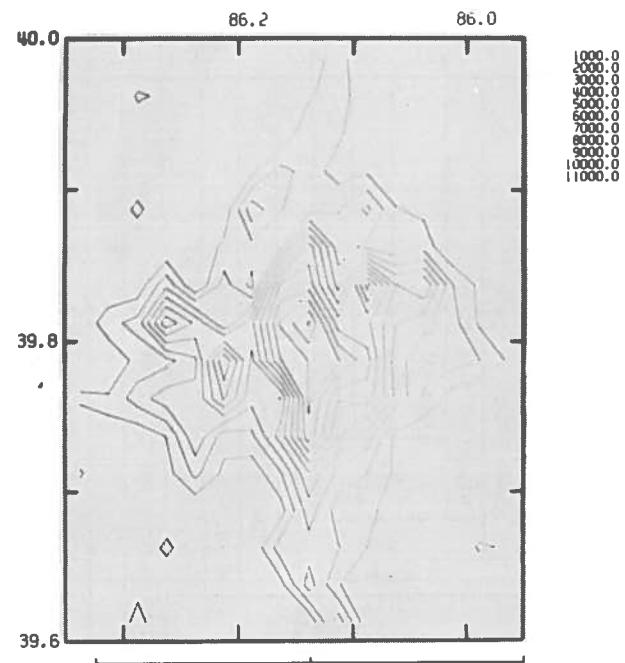
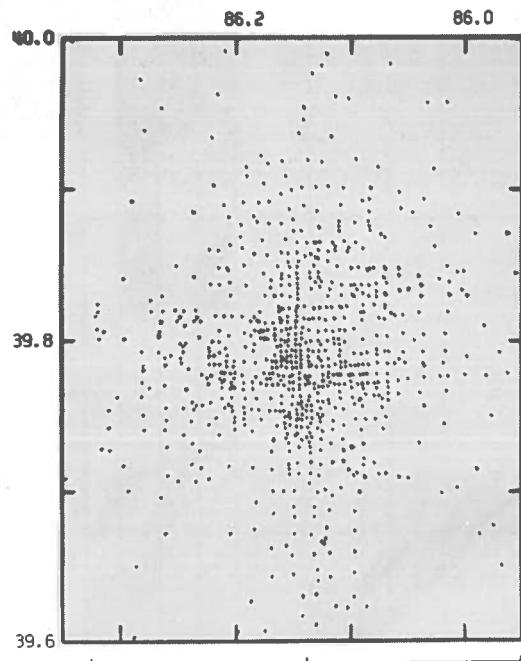
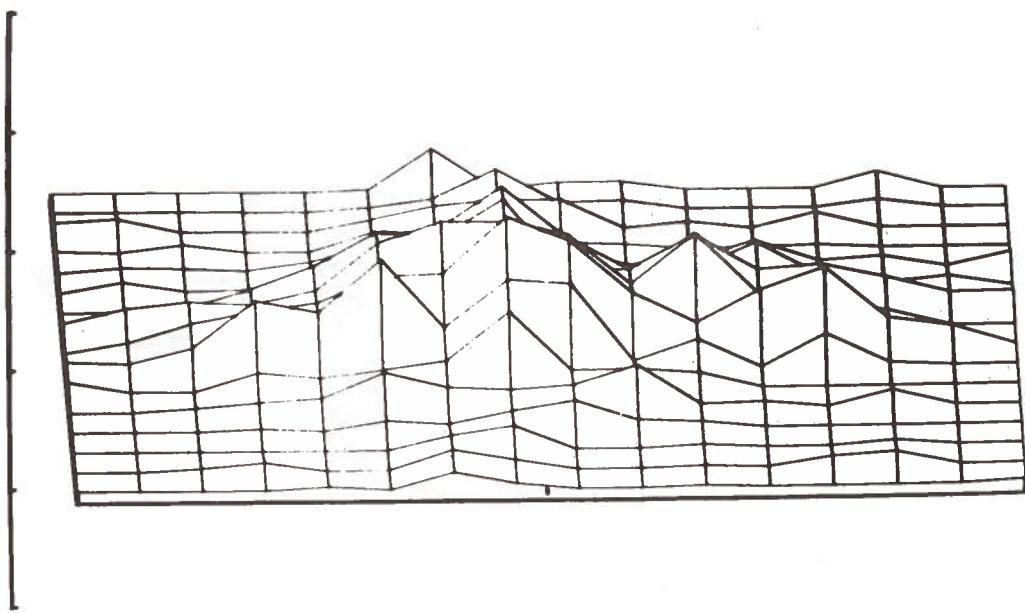
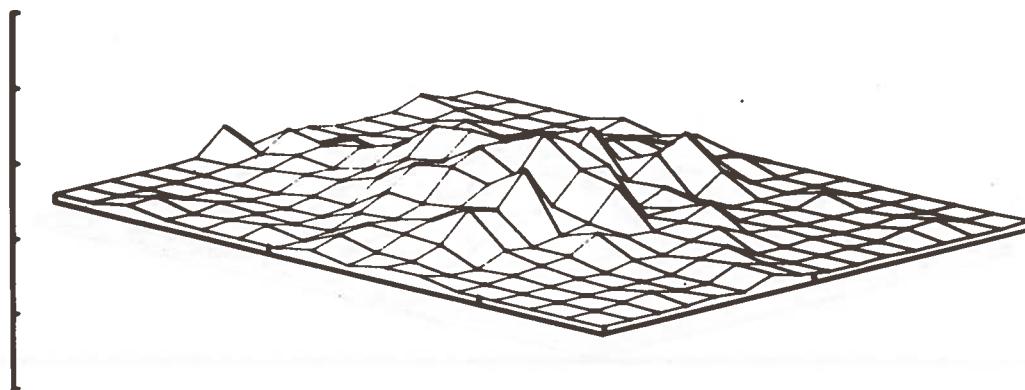


Figure 14-1. Population Density Plots - Dot and Contour Maps - Indianapolis

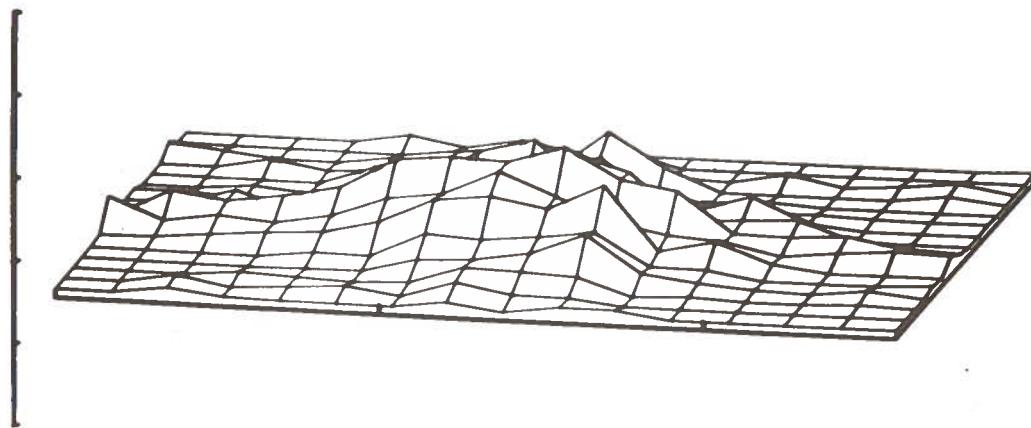


0.0 DEGREES

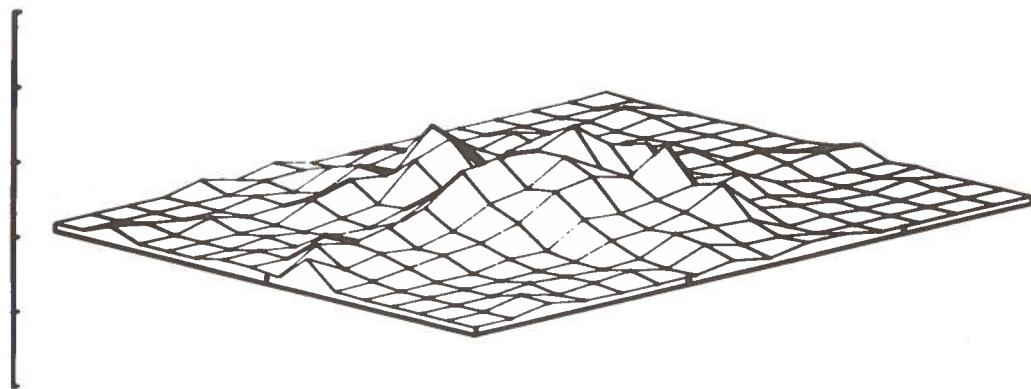


45.0 DEGREES

Figure 14-2. Population Density Plots - Isometric Views
(0° , 45°) - Indianapolis

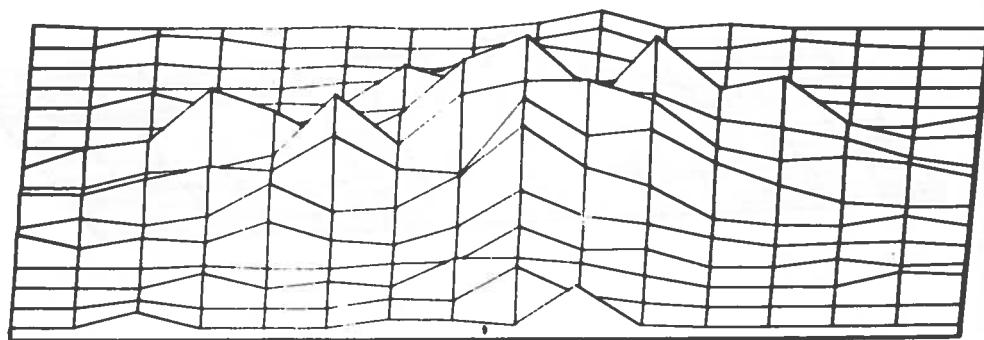


90.0 DEGREES

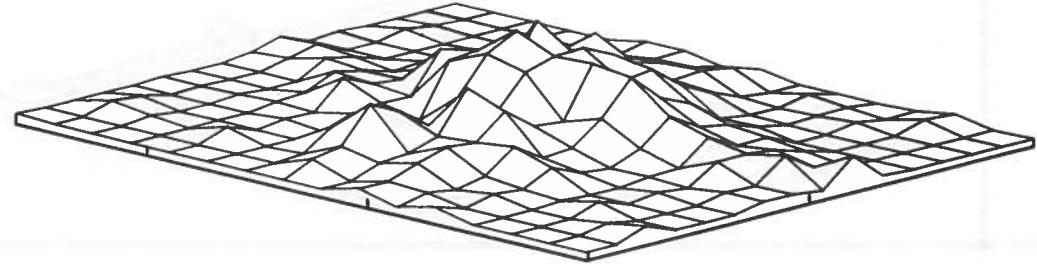


135.0 DEGREES

Figure 14-3. Population Density Plots - Isometric Views
(90° , 135°) - Indianapolis

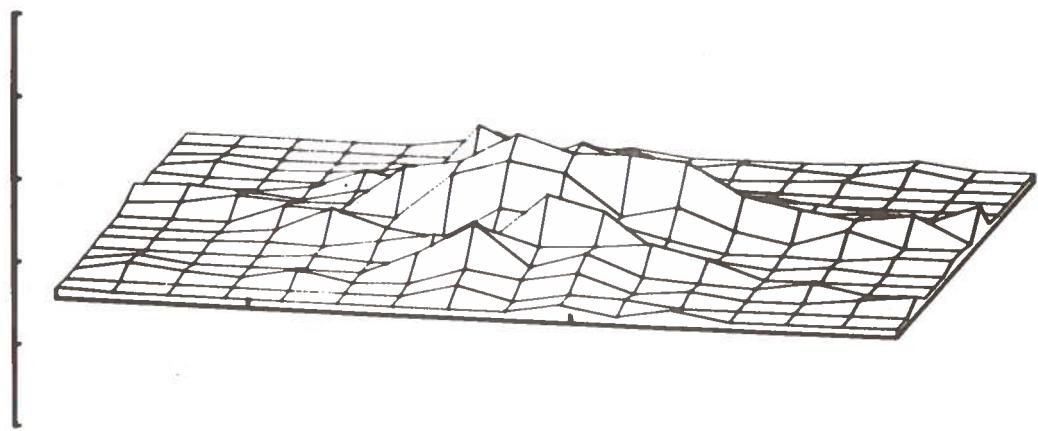


180.0 DEGREES

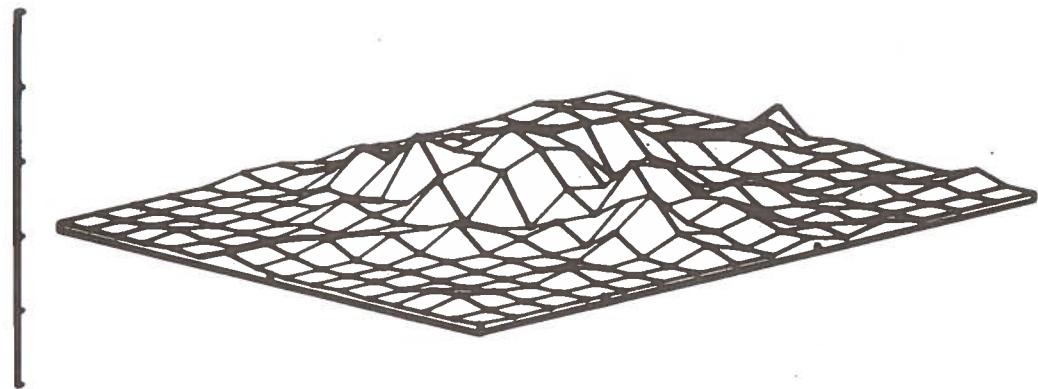


225.0 DEGREES

Figure 14-4. Population Density Plots - Isometric Views
(180°, 225°) - Indianapolis



270.0 DEGREES



315.0 DEGREES

Figure 14-5. Population Density Plots - Isometric Views
(270° , 315°) - Indianapolis

15. KANSAS CITY, KANSAS-MISSOURI*

*See Notes, Section 3.2.

TABLE 15-1. SOCIO-ECONOMIC DATA BY URBAN RING - KANSAS CITY

URBAN CHARACTERISTICS	CITY TRACTS BY INNER & OUTER RADII:		TOTAL POP.		LAND AREA (SQ. MI.)		POP. DENSITY	
	CITY: KANSAS CITY, KANS., MO.	U. A. RANK: 22	SMSA-1: URBANIZED AREA: CENTRAL CITY: CBD:	1,756,000 1,101,707 502,000 1,791	2,767 2,183 239 0,766	2,459 2,100 2,139	14.0 - 16.0 MI. 14.0 - 16.0 MI. 14.0 - 16.0 MI.	16.0 - 18.0 MI. 16.0 - 18.0 MI. 16.0 - 18.0 MI.
0.0 - 1.0 MI.	1.0 - 2.0 MI.	2.0 - 4.0 MI.	4.0 - 6.0 MI.	6.0 - 8.0 MI.	8.0 - 10.0 MI.	10.0 - 12.0 MI.	12.0 - 14.0 MI.	14.0 - 16.0 MI.
Total Pop. (1)	36,644 (100.0)	181,812 (100.0)	207,697 (100.0)	194,334 (100.0)	214,026 (100.0)	146,126 (100.0)	88,499 (100.0)	32,907 (100.0)
White Pop. (1)	2,243 (95.9)	23,719 (64.7)	118,235 (65.1)	152,046 (73.2)	179,082 (92.2)	210,715 (98.4)	145,413 (99.0)	87,782 (99.2)
Black Pop. (1)	28 (1.2)	12,655 (34.5)	62,492 (34.4)	54,672 (26.3)	14,364 (7.4)	2,649 (1.2)	1,005 (0.7)	521 (0.6)
Span. (1 of white) (1)	0 (0.0)	3,455 (9.4)	6,900 (5.8)	4,278 (2.1)	2,686 (1.4)	2,645 (1.2)	1,703 (1.2)	353 (1.1)
Other (1)	67 (2.9)	310 (.8)	1,067 (.6)	939 (.5)	883 (.5)	672 (.3)	408 (.3)	196 (.2)
Total Male Pop. (1)	1,219	17,680	83,531	96,517	92,991	103,465	72,778	43,741
Median Male Age	48.3	29.6	28.9	27.4	27.6	27.6	23.9	23.6
Total Female Pop. (1)	1,119	19,084	98,231	111,160	101,443	110,571	74,448	46,758
Median Female Age	53.6	34.3	34.3	30.8	29.6	29.0	27.2	24.8
% of Total Pop. - 65+ (1)	23.2	16.4	15.3	11.7	9.2	7.4	4.6	4.3
Mean Family Inc. (\$)	7,982	\$7,100	\$8,491	\$10,654	\$11,073	\$13,362	\$14,182	\$13,396
Median Family Inc. (\$)	6,361	\$6,469	\$7,695	\$9,558	\$11,716	\$11,949	\$12,261	\$11,178
No. of Households (1,523)	12,773	63,744	67,793	50,999	64,176	40,936	22,425	8,607
No. of Families (556)	8,051	43,779	52,533	50,501	56,124	39,303	22,535	8,464
Average H. H. Size (1.4)	2.7	2.7	3.0	3.3	3.3	3.6	3.8	3.8
Average Fam. Size (2.4)	3.6	3.4	3.4	3.5	3.5	3.6	3.7	3.7
Total No. of Renters (1,523)	9,135	39,016	27,961	11,003	16,665	8,591	5,298	2,253
Avg. Rent Paid (\$)	805	\$60	\$72	\$104	\$111	\$119	\$139	\$122
Median Rent Paid (\$)	81	\$54	\$59	\$90	\$110	\$118	\$138	\$122
% of Total Pop. Renting (100.0)	71.5	61.2	41.2	22.4	26.0	21.0	21.2	26.2
Total No. of Home Owners (0)	3,638	24,768	39,852	43,096	47,511	52,345	17,527	6,354
Avg. Value of House (\$)	88,369	\$10,624	\$13,631	\$15,388	\$20,196	\$25,266	\$22,432	\$18,021
Median Value of House (\$)	68,826	\$9,370	\$12,100	\$16,127	\$17,821	\$21,256	\$19,547	\$16,753
% of Total Pop. Own Home (0.0)	28.5	38.8	58.8	77.6	74.0	79.0	76.8	73.8
No. Own 0 Auto. (1)	935 (60.5)	6,542 (46.0)	23,692 (34.0)	13,580 (18.7)	4,566 (7.4)	3,751 (5.6)	1,404 (3.3)	793 (3.2)
No. Own 1 Auto. (1)	534 (34.5)	5,961 (43.2)	33,527 (52.1)	37,792 (48.1)	28,996 (35.1)	15,525 (36.2)	10,198 (41.1)	5,808 (52.2)
No. Own 2 Autos. (1)	70 (4.5)	1,319 (9.6)	10,536 (15.1)	18,144 (25.0)	24,657 (40.1)	22,323 (51.8)	11,916 (48.0)	4,152 (44.3)
No. Own 3+Autos. (1)	7 (.5)	177 (11.3)	1,999 (2.9)	2,968 (4.1)	4,335 (7.0)	5,082 (7.6)	3,767 (8.8)	1,921 (7.7)

TABLE 15-2. JOURNEY-TO-WORK DATA - KANSAS CITY

				PLACE OF RESIDENCE (000)									
				LIVING IN THE SMSA			LIVING OUTSIDE SMSA, WORKING IN IT			EMPLOY- MENT DENSITY FOR GRAND TOTALS (PER SQ. MI.)			
				URBANIZED AREA		RURAL AND SCATTERED URBAN		LIVING OUTSIDE SMSA, WORKING IN IT		GRAND TOTAL			
				SMSA TOTAL	SMSA TOTAL	U.A. TOTAL	CENTRAL CITY	URBAN- IZED RING	RURAL AND SCATTERED URBAN	GRAND TOTAL	188		
HOME- TO- WORK FLOWS	SMSA: KANSAS CITY, MO.-KANS.	S M N S U A. S A.	CENTRAL CITY TOTAL	4,98	442	205	237	56	23	521	188		
				4,68	433	202	231	35	21	489	992		
				281	262	162	100	19	9	290	1,213		
				35	32	19	13	3	2	37	46,250		
	PLACE OF WORK (000)	U. S. A. S. A.	CBD	246	230	143	87	16	7	253	1,062		
			OTHER	187	171	40	131	16	12	199	784		
			URBANIZED RING	30	9	3	6	21	2	32	14		
	WORKING OUTSIDE SMSA, LIVING IN IT	GRAND TOTAL		13	11	4	7	2		13			
				511	453	209	244	58	23	534			
				185	919	875	961	26					
WORKER DENSITY FOR GRAND TOTALS (PER SQ. MI.)													
DISTRIBU- TION OF WORK TRIPS BY MODE (\$)	AUTO DRIVER; AUTO PASS.			87%	87%	82%	91%	90%	91%	91%	87%		
	PUBLIC TRANSPORTATION			5	6	10	2	0	0	0	5		
	WALK; WORK AT HOME			6	6	7	5	7	4	4	6		
	TAXI; OTHER			2	1	1	2	3	5	5	2		

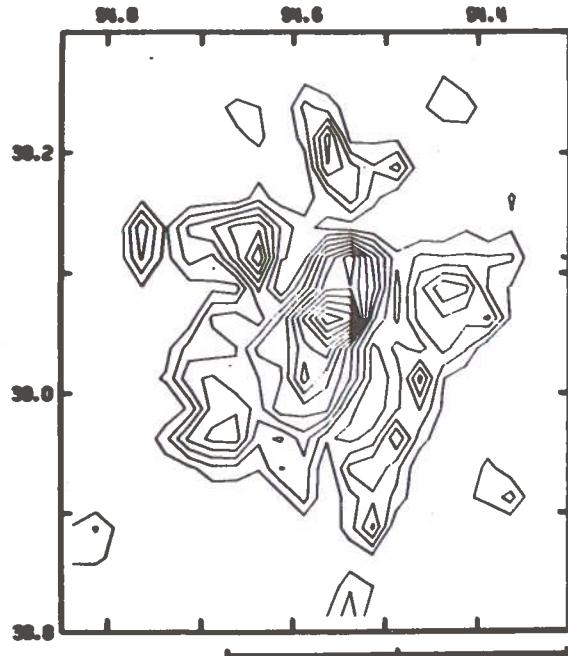
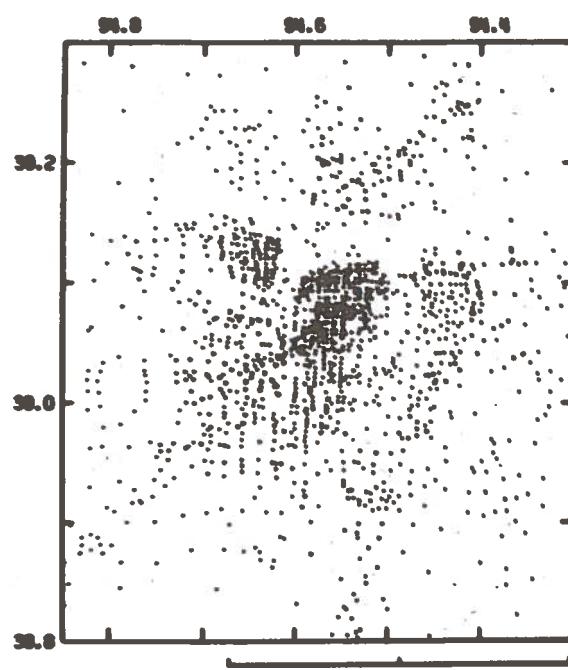
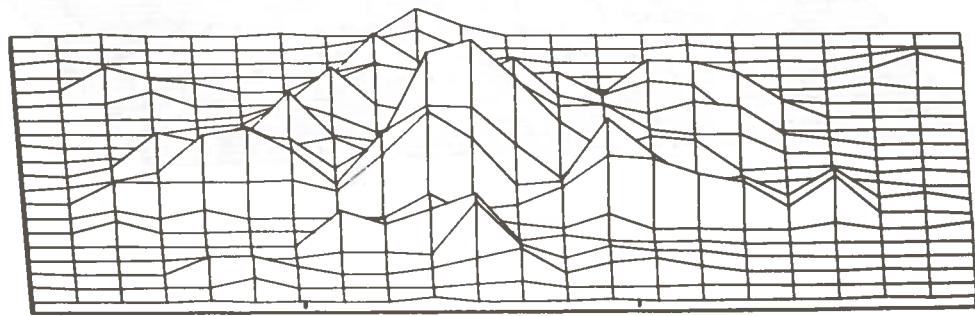
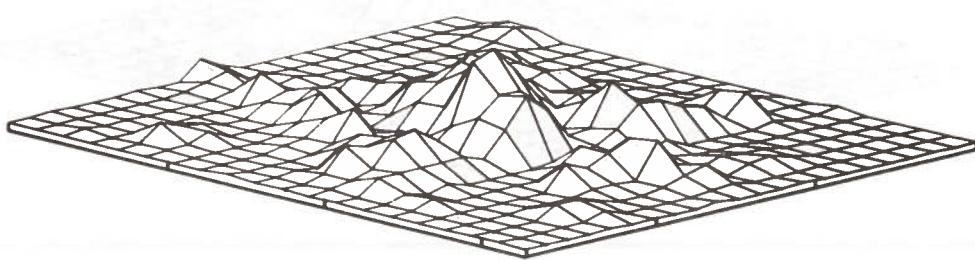


Figure 15-1. Population Density Plots - Dot and Contour Maps - Kansas City

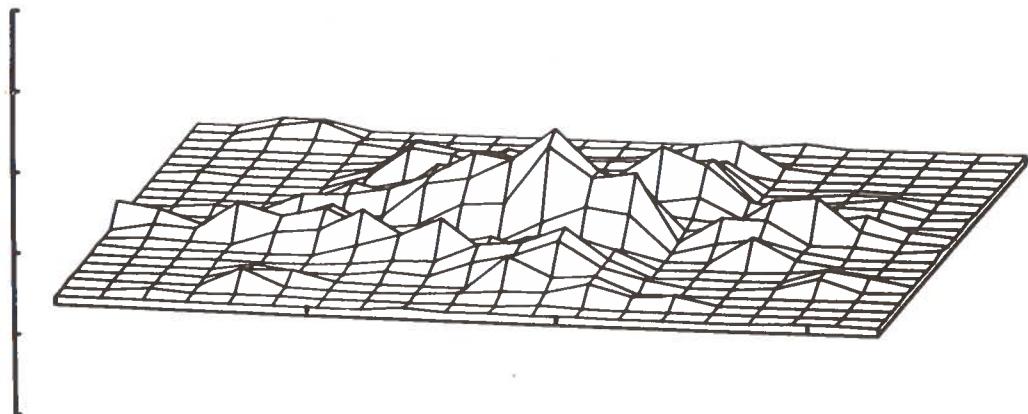


0.0 DEGREES

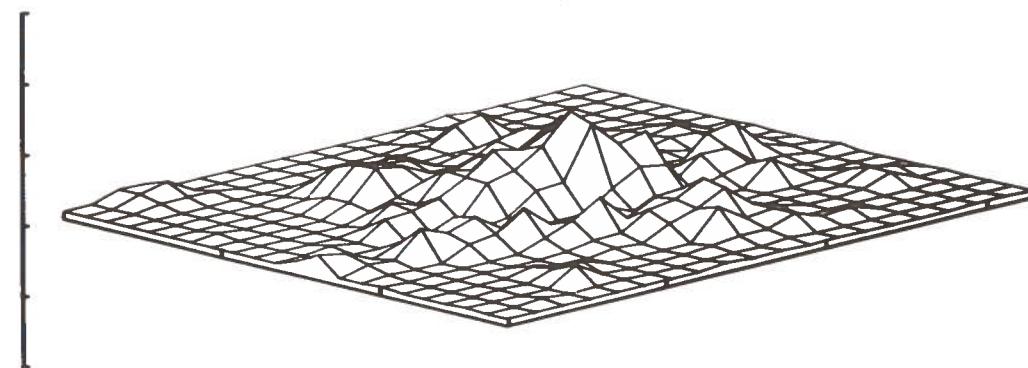


45.0 DEGREES

Figure 15-2. Population Density Plots - Isometric Views
 $(0^\circ, 45^\circ)$ - Kansas City

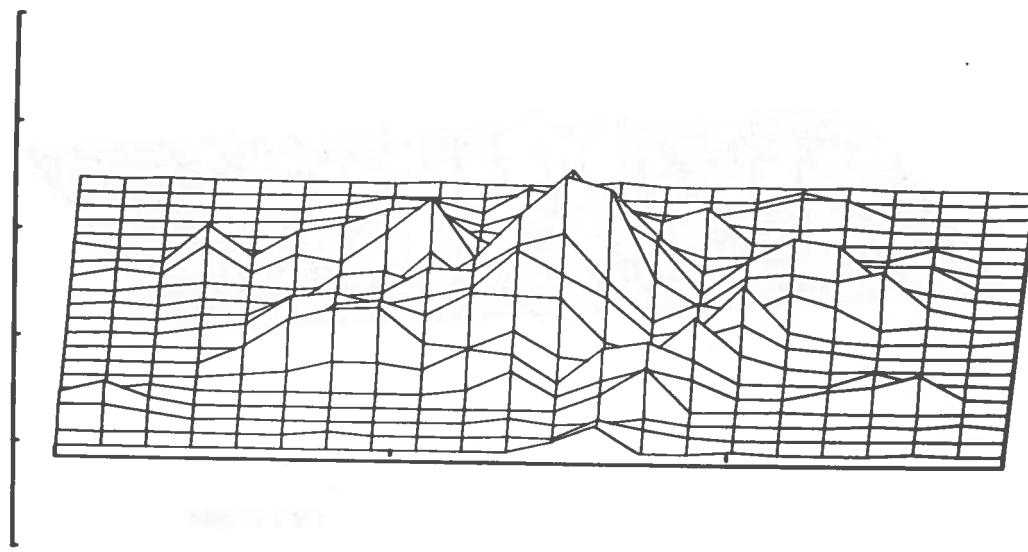


90.0 DEGREES

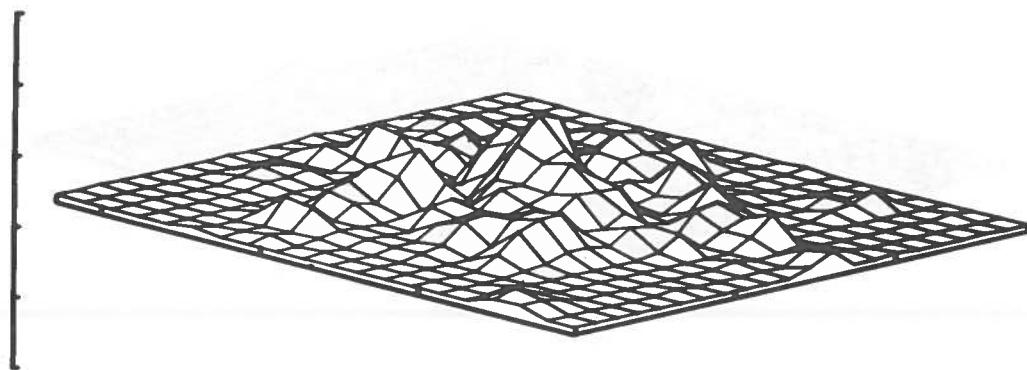


135.0 DEGREES

Figure 15-3. Population Density Plots - Isometric Views
(90° , 135°) - Kansas City

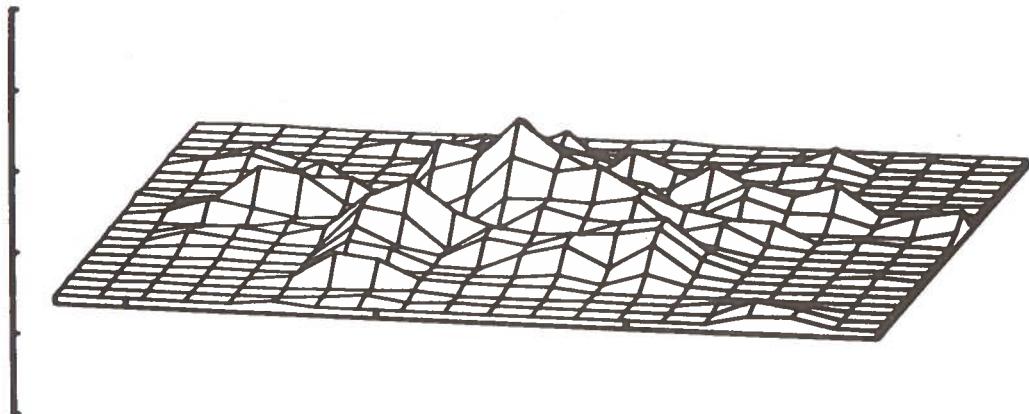


180.0 DEGREES

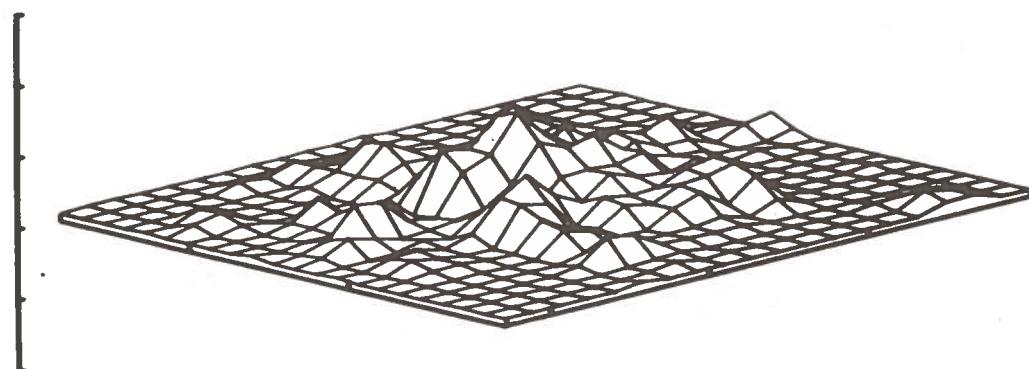


225.0 DEGREES

Figure 15-4. Population Density Plots - Isometric Views
(180°, 225°) - Kansas City



270.0 DEGREES



315.0 DEGREES

Figure 15-5. Population Density Plots - Isometric Views
(270° , 315°) - Kansas City

16. LOS ANGELES-LONG BEACH, CALIFORNIA*

*See Notes, Section 3.2.

TABLE 16-1. SOCIO-ECONOMIC DATA BY URBAN RING - LOS ANGELES- LONG BEACH

CITY TRACTS BY INNER & OUTER RADII URBAN CHARACTERISTICS	CITY: LOS ANGELES- LONG BEACH, CAL. U.A. RANK: 2	TOTAL POP.				LAND AREA (SQ. MI.)		POP. DENSITY		LATITUDE: 34° 3' 5" LONGITUDE: 118° 15' 0"	
		0.0 - 1.0 MI.	1.0 - 2.0 MI.	2.0 - 4.0 MI.	4.0 - 6.0 MI.	6.0 - 8.0 MI.	8.0 - 10.0 MI.	10.0 - 12.0 MI.	12.0 - 14.0 MI.	14.0 - 16.0 MI.	16.0 - 18.0 MI.
Total Pop. (1)	33,305 (100.0)	86,969 (100.0)	452,145 (100.0)	626,178 (100.0)	728,070 (100.0)	694,760 (100.0)	891,632 (100.0)	804,183 (100.0)	664,201 (100.0)	567,942 (100.0)	624,645 (100.0)
White Pop. (1)	25,974 (78.0)	70,101 (80.6)	304,642 (67.4)	403,404 (64.4)	526,869 (72.4)	571,317 (82.2)	783,739 (86.6)	762,585 (94.8)	643,139 (96.8)	583,506 (94.8)	643,139 (94.8)
Black Pop. (1)	2,658 (8.0)	6,765 (7.8)	106,534 (23.6)	185,381 (29.6)	182,018 (25.6)	106,060 (15.3)	91,955 (9.3)	18,987 (2.2)	6,967 (1.0)	13,745 (1.0)	26,177 (4.3)
Span. (A of white) (1)	10,957 (32.9)	42,937 (49.4)	187,426 (11.5)	174,186 (27.8)	111,836 (15.4)	109,774 (15.8)	145,301 (16.5)	116,952 (15.4)	93,422 (16.4)	102,317 (15.4)	101,254 (16.2)
Other (1)	4,673 (14.0)	10,103 (11.6)	40,669 (9.0)	37,393 (6.0)	19,183 (2.6)	17,383 (2.5)	35,950 (4.1)	23,816 (3.0)	14,095 (2.1)	15,687 (2.8)	14,422 (2.3)
Total Male Pop.	21,773	45,073	211,765	290,670	337,073	350,385	427,283	389,469	324,614	277,568	305,528
Median Male Age	41.9	52.0	28.5	29.6	31.0	30.0	28.8	28.3	27.0	25.9	26.0
Total Female Pop.	11,532	41,896	240,380	335,508	390,997	363,775	454,349	415,019	359,587	390,374	319,117
Median Female Age	58.6	52.2	31.2	33.0	35.1	33.0	30.5	29.9	28.5	27.6	27.6
% of Total Pop.-65+	17.8	14.4	12.0	12.6	13.5	10.4	9.0	8.3	7.3	6.3	9.2
Mean Family Inc.	\$8,214	\$7,190	\$8,642	\$10,252	\$11,542	\$10,508	\$13,523	\$13,313	\$13,687	\$13,042	\$13,248
Median Family Inc.	\$6,572	\$3,049	\$7,534	\$8,704	\$9,845	\$11,283	\$11,741	\$11,940	\$12,125	\$11,810	\$11,810
No. of Households	15,922	35,042	16,624	22,300	27,095	24,169	28,908	26,920	26,033	16,475	18,500
No. of Families	4,344	16,850	100,739	155,338	193,600	188,551	282,355	210,705	169,053	144,479	156,337
Average H.H. Size	1.7	2.3	2.7	2.7	2.7	2.7	3.0	3.0	3.2	3.4	3.3
Average Fam. Size	3.2	3.4	3.5	3.5	3.2	3.3	3.4	3.4	3.5	3.6	3.6
Total No. of Renters	15,726	33,197	134,578	158,078	175,041	156,572	139,431	138,419	98,333	59,141	79,604
Avg. Rent Paid	\$75	\$79	\$92	\$99	\$116	\$125	\$126	\$130	\$131	\$130	\$111
Median Rent Paid	\$56	\$62	\$75	\$87	\$110	\$117	\$121	\$125	\$127	\$128	\$108
% of Total Pop.- Renting	98.8	94.7	81.7	69.2	64.8	56.0	48.2	52.1	42.8	35.9	42.9
Total No. of Home Owners	196	1,845	30,046	70,222	95,254	107,297	149,577	127,501	118,070	105,617	105,996
Avg. Value of House	\$27,716	\$21,141	\$21,895	\$24,448	\$27,073	\$31,006	\$28,255	\$29,501	\$28,259	\$26,207	\$28,279
Median Value of House	\$21,944	\$19,667	\$19,864	\$20,729	\$23,721	\$26,668	\$24,277	\$25,268	\$25,830	\$23,469	\$24,394
% of Total Pop.- Own. House	1.2	5.3	18.3	30.8	35.2	44.0	51.8	47.9	57.2	64.1	57.1
No. Dom 0 Auto. (1)	11,669 (71.9)	19,398 (53.4)	60,829 (35.2)	62,643 (26.0)	52,537 (18.4)	32,149 (12.6)	28,660 (9.5)	27,610 (9.9)	17,448 (8.1)	10,968 (6.4)	24,213 (12.5)
No. Dom 1 Auto. (1)	3,872 (23.0)	13,805 (38.0)	85,691 (48.2)	119,634 (49.8)	141,131 (49.4)	119,197 (46.6)	136,923 (45.3)	122,788 (44.0)	89,361 (41.5)	67,687 (39.3)	76,047 (38.7)
No. Dom 2 Autos. (1)	543 (13.3)	2,611 (7.2)	24,183 (14.0)	49,056 (20.4)	78,095 (27.3)	85,466 (33.4)	111,551 (36.9)	104,595 (37.5)	86,828 (40.3)	75,561 (43.9)	75,319 (38.3)
No. Dom 3 Autos. (1)	151 (.9)	493 (1.4)	4,250 (2.5)	9,359 (3.9)	15,869 (4.9)	19,072 (7.5)	25,463 (8.4)	23,865 (8.4)	21,876 (10.2)	18,070 (10.5)	20,920 (10.6)

TABLE 16-2. JOURNEY-TO-WORK DATA - LOS ANGELES-LONG BEACH

SMSA: LOS ANGELES, CALIF. (CONSOL. AREA)			PLACE OF RESIDENCE (000)						EMPLOY- MENT DENSI TY FOR GRAND TOTALS (PER SQ. MI.)		
			LIVING IN THE SMSA			RURAL AND SCATTERED URBAN			LIVING OUTSIDE SMSA, WORKING IN IT		
			SMSA TOTAL	U.A. TOTAL	CENTRAL CITY	URBAN- IZED RING					
PLACE OF WORK (000)	S M S A.	U. CEN- TRAL CITY	URBANIZED AREA TOTAL	3,217	3,106	1,411	1,695	111	79	3,296	679
HOME- TO- WORK FLOWS			CENTRAL CITY TOTAL	3134	3,036	1,581	1,656	97	68	3,202	2,132
			CBD	1569	1,504	1,008	496	65	20	1,589	2,698
			OTHER	138	131	80	51	7	5	143	51,071
			URBANIZED RING	1431	1,373	928	445	58	15	1446	2,467
			RURAL & SCATTERED URBAN	1565	1,533	373	1,160	32	48	1613	1,767
			WORKING OUTSIDE SMSA, LIVING IN IT	83	69	30	39	14	11	94	28
			GRAND TOTAL	3,276	3,159	1,431	1,728	117	79	3,355	59
			WORKER DENSITY FOR GRAND TOTALS (PER SQ. MI.)	675	2,103	2,430	1,893	35			
DISTRIBU- TION OF WORK TRIPS BY MODE (%)	AUTO DRIVER; AUTO PASS.			87%	87%	83%	90%	92%	95%	87%	
	PUBLIC TRANSPORTATION			5	5	8	2	1	1	5	
	WALK; WORK AT HOME			6	6	7	5	4	0	6	
	TAXI; OTHER			2	2	2	3	3	4	2	

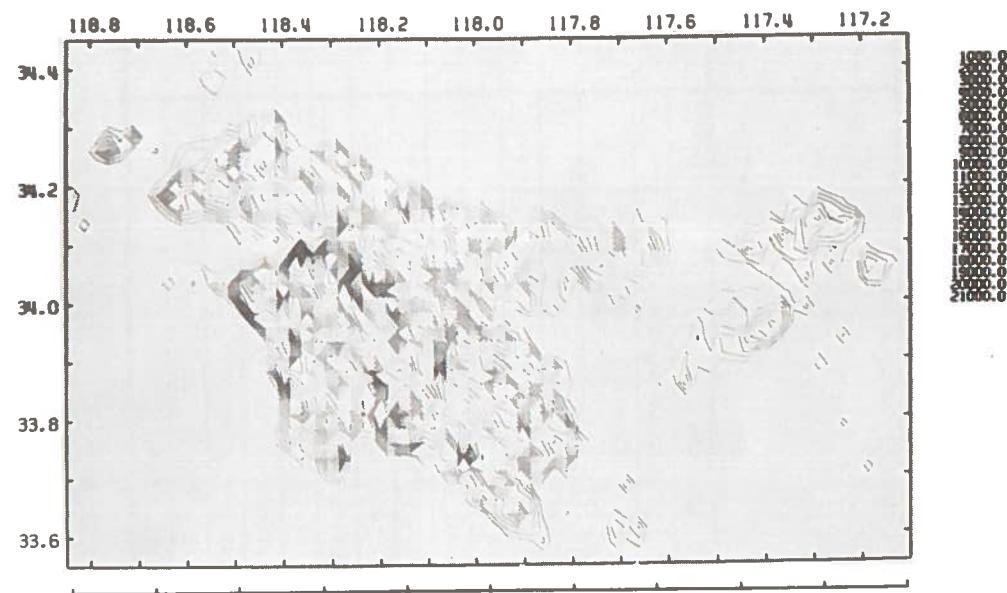
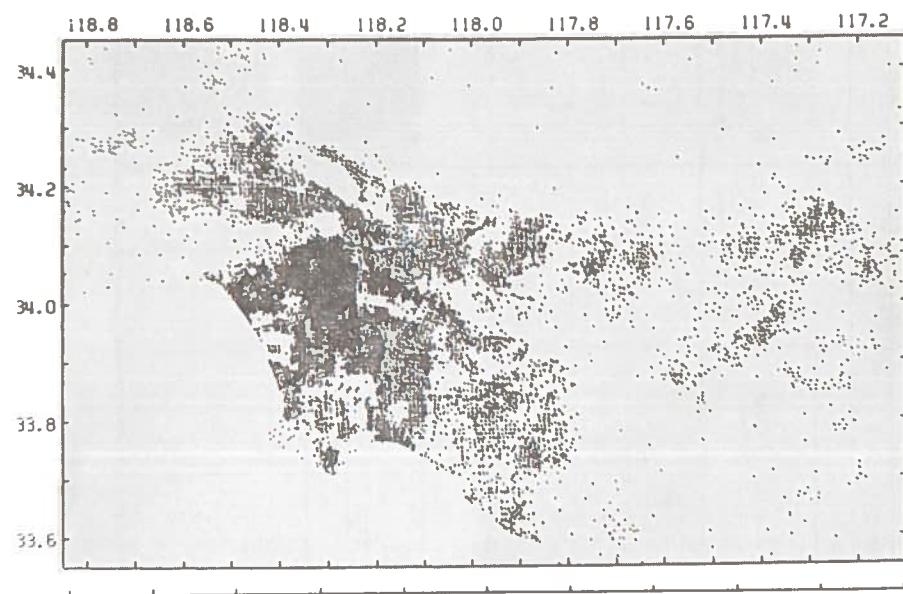
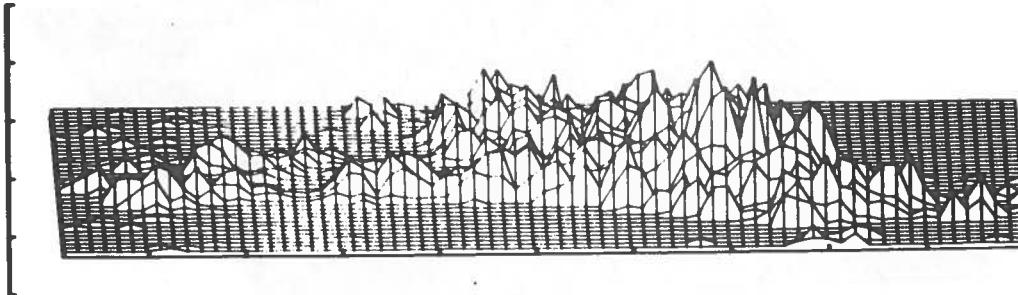
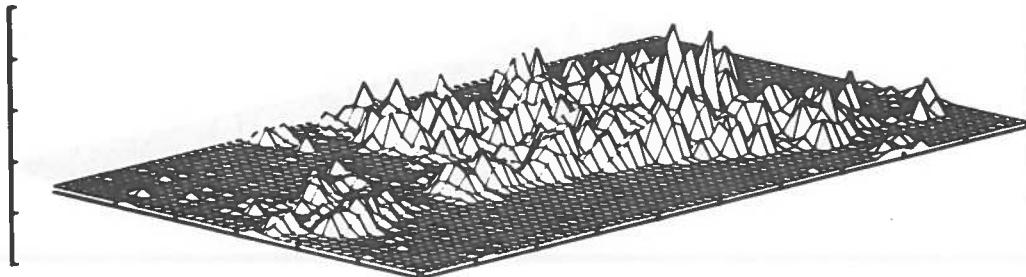


Figure 16-1. Population Density Plots - Dot and Contour Maps - Los Angeles-Long Beach

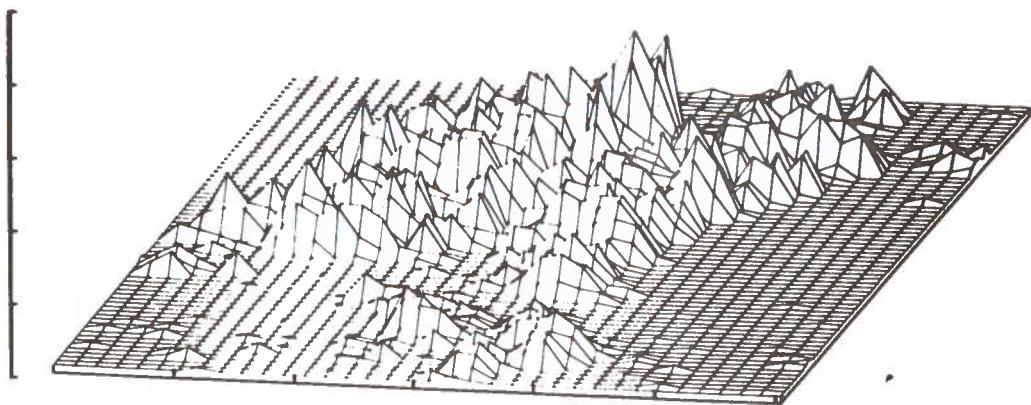


0.0 DEGREES

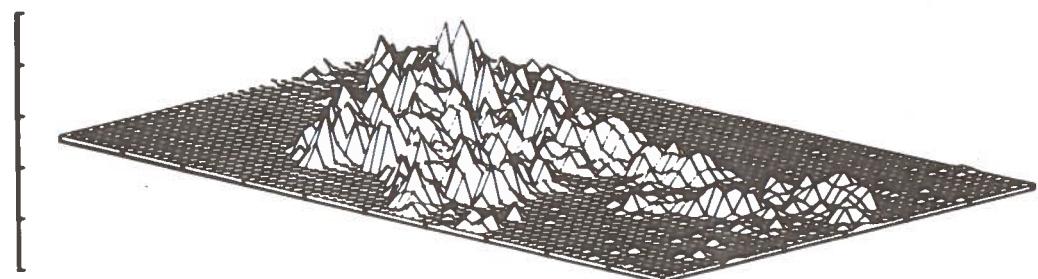


45.0 DEGREES

Figure 16-2. Population Density Plots - Isometric Views
 $(0^\circ, 45^\circ)$ - Los Angeles-Long Beach

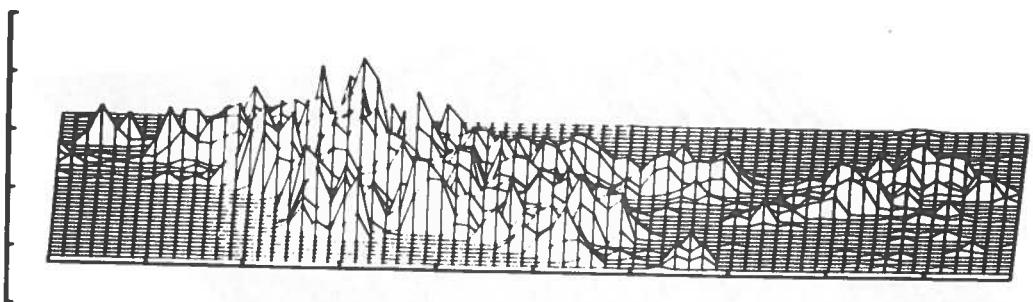


90.0 DEGREES

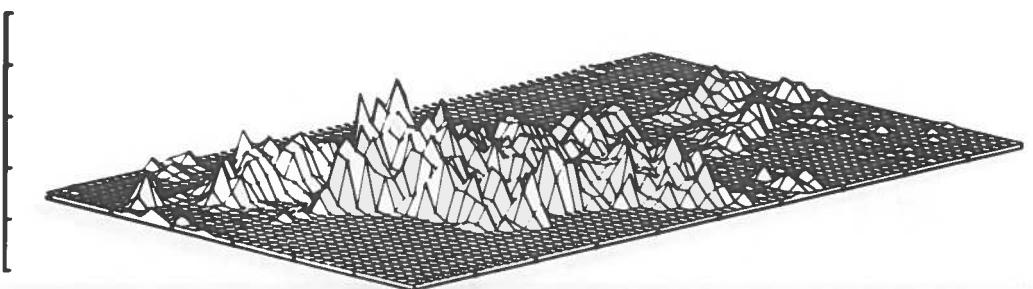


135.0 DEGREES

Figure 16-3. Population Density Plots - Isometric Views
(90° , 135°) - Los Angeles-Long Beach

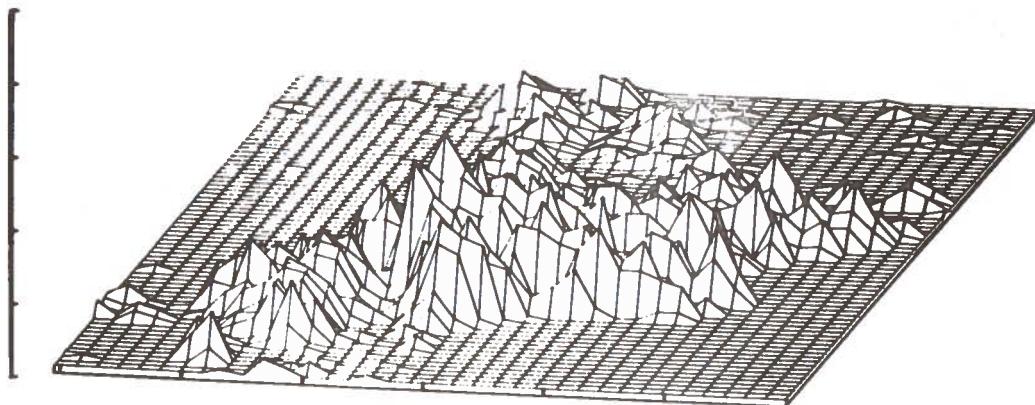


180.0 DEGREES

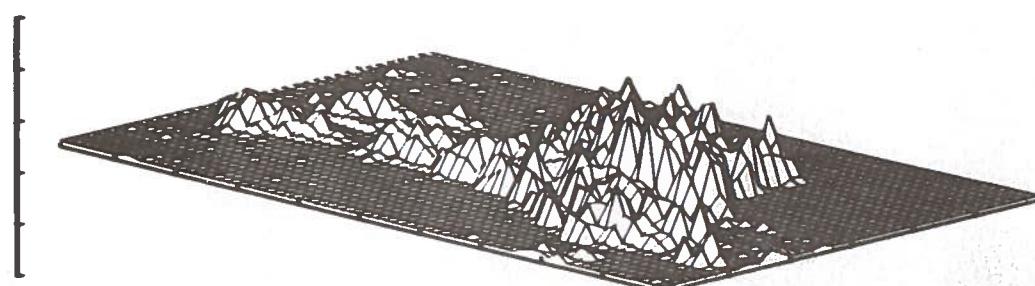


225.0 DEGREES

Figure 16-4. Population Density Plots - Isometric Views
(180°, 225°) - Los Angeles-Long Beach



270.0 DEGREES



315.0 DEGREES

Figure 16-5. Population Density Plots - Isometric Views
(270° , 315°) - Los Angeles-Long Beach

17. LOUISVILLE, KENTUCKY

TABLE 17-1. SOCIO-ECONOMIC DATA BY URBAN RING - LOUISVILLE

CITY TRACTS BY INNER & OUTER RADII	CITY: LOUISVILLE, KENTUCKY U. A. RANK: 33	SMSA: URBANIZED AREA: CENTRAL CITY: CBD:	TOTAL POP.		LAND AREA (SQ. MI.)		POP. DENSITY		LATITUDE: 100° 14' 48" 85° 45' 42"		
			908		911		3,514		0.0 MI. PIVOT POINT:		
			759,396	60	361,153	60	35	51,528	51,508	18.0 - 20.0 Mls.	
0.0 - 1.0 MI. (1)	1.0 - 2.0 MI. (1)	2.0 - 4.0 MI. (1)	4.0 - 6.0 MI. (1)	6.0 - 8.0 MI. (1)	8.0 - 10.0 MI. (1)	10.0 - 12.0 MI. (1)	12.0 - 14.0 MI. (1)	14.0 - 16.0 MI. (1)	16.0 - 18.0 Mls. (1)	18.0 - 20.0 Mls. (1)	
Total Pop. White Pop. Black Pop. Span. (% of white) Other	15,494 (100.0) 8,171 (53.7) 7,251 (46.8) 0 72	79,477 (100.0) 45,556 (57.4) 33,613 (42.3) 119 (-.1) (.5)	187,424 (100.0) 149,375 (74.9) 46,516 (24.8) 705 (.4) 531 (.5)	172,411 (100.0) 169,403 (98.3) 2,636 (1.5) 6,839 (.8) 522 (.2)	136,716 (100.0) 129,462 (94.7) 872 (.8) 6,839 (.6) 421 (.2)	102,920 (100.0) 101,794 (98.9) 1,166 (1.4) 629 (.6) 425 (.3)	86,016 (100.0) 84,723 (98.5) 345 (1.6) 437 (.5) 254 (.2)	24,149 (100.0) 24,318 (98.1) 871 (3.4) 0 (.0) 127 (.1)	25,254 (100.0) 24,310 (96.3) 516 (2.6) 36 (.1) 63 (.1)	4,348 (100.0) 4,234 (97.4) 114 (2.6) 0 (.0) 0 (.0)	
Total Male Pop. Median Male Age Total Female Pop. Median Female Age % of Total Pop. 65+	7,290 39.4 8,204 43,023 46.1 23.4	36,454 27.5 100,477 31.2 14.1	86,947 28.0 100,477 32.9 12.3	81,218 28.1 91,193 31.6 10.2	66,539 24.8 70,177 26.2 10.2	51,128 23.0 51,792 24.1 3.7	42,701 23.2 43,315 24.2 4.8	12,346 23.0 12,455 26.3 6.3	12,042 23.5 12,680 23.6 5.8	2,224 26.9 21,124 27.4 8.6	
Mean Family Inc. Median Family Inc. No. of Households No. of Families Average H.H. Size Average Fam. Size	\$6,045 \$4,604 6,739 2,837 2.0 3.2	\$6,421 \$5,885 28,317 18,813 3.5 3.5	\$9,866 \$8,883 62,480 48,177 3.0 3.5	\$12,040 \$10,555 56,187 40,493 3.4 3.5	\$11,437 \$10,983 57,510 42,863 3.4 3.6	\$11,359 \$10,545 27,510 21,353 3.7 3.9	\$12,085 \$10,618 6,610 6,074 3.7 3.9	\$9,174 \$8,608 7,077 6,311 3.6 3.8	\$9,690 \$8,746 6,855 6,152 3.6 3.8	\$9,316 \$7,928 1,348 1,191 3.2 3.5	
Total No. of Renters Avg. Rent Paid Median Rent Paid % of Total Pop. Renting	5,918 \$67 \$60 93.5	17,922 \$56 \$53 60.4	24,875 \$77 \$64 42.5	17,004 \$99 \$81 31.9	10,256 \$112 \$100 27.1	3,804 \$117 \$105 14.7	2,970 \$99 \$84 14.4	891 \$75 \$69 16.0	1,608 \$54 \$55 29.4	848 \$48 \$53 19.2	
Total No. of Home Owners Avg. Value of House Median Value of House % of Total Pop. Own Home	413 \$8,361 \$6,592 6.5	8,286 \$8,805 \$6,932 31.6	33,610 \$13,212 \$12,260 57.5	36,349 \$18,835 \$15,956 68.1	27,641 \$18,393 \$17,24 72.9	22,107 \$22,082 \$18,595 85.3	17,622 \$17,517 \$16,050 85.3	4,686 \$19,309 \$16,119 84.0	3,861 \$13,326 \$12,443 70.6	3,580 \$14,443 \$13,074 80.8	
No. Own 0 Autos. (1) No. Own 1 Auto. (1) No. Own 2 Autos. (1) No. Own 3+ Autos. (1)	4,523 (66.9) 1,936 (28.7) 236 (3.5) 61 (.9)	13,479 (47.9) 11,653 (41.4) 2,682 (9.5) 323 (1.1)	13,828 (22.2) 13,457 (46.6) 15,047 (24.1) 2,254 (3.6)	6,519 (11.6) 1,862 (4.6) 26,240 (46.6) 3,417 (6.1)	772 (2.6) 888 (3.9) 18,454 (58.8) 2,264 (8.3)	10,605 (38.7) 1,166 (13.1) 13,837 (50.4) 1,663 (7.5)	389 (6.0) 2,894 (44.6) 10,495 (45.7) 499 (7.7)	630 (8.9) 3,334 (48.7) 2,703 (41.7) 414 (6.1)	707 (10.3) 5,345 (48.7) 2,485 (35.0) 411 (31.2)	114 (8.6) 693 (52.0) 2,385 (34.9) 100 (7.6)	517 411 84.3

TABLE 17-2. JOURNEY-TO-WORK DATA - LOUISVILLE

SMSA: LOUISVILLE, KY. - IND.		PLACE OF RESIDENCE (000)								
		LIVING IN THE SMSA			LIVING OUTSIDE SMSA, WORKING IN IT			EMPLOY- MENT DENSITY FOR GRAND TOTALS (PER SQ. MI.)		
		SMSA TOTAL	U.A. TOTAL	CENTRAL CITY	URBAN- IZED RING	RURAL AND SCATTERED URBAN	GRAND TOTAL	332	366	
		URBANIZED AREA TOTAL	286	270	130	140	16	24	310	1,476
		CENTRAL CITY TOTAL	187	175	105	70	12	16	203	3,383
PLACE OF WORK (000)	S M S A	U. CEN- TRAL CITY	45	42	26	16	3	4	49	20,417
	A. S A	CBD	142	133	79	54	9	12	154	2,674
		OTHER	99	95	25	70	4	8	107	713
		URBANIZED RING	20	8	6	2	12	2	22	32
		RURAL & SCATTERED URBAN	8	7	2	5	1	—	8	
		WORKING OUTSIDE SMSA, LIVING IN IT	314	285	138	147	29	26	340	
		GRAND TOTAL	346	337	2,300	980	42	—	—	
		WORKER DENSITY FOR GRAND TOTALS (PER SQ. MI.)								
HOME- TO- WORK FLOWS	DISTRIBU- TION OF WORK TRIPS BY MODE (%)		AUTO DRIVER; AUTO PASS.	86%	85%	78%	90%	93%	93%	87%
	PUBLIC TRANSPORTATION			6	7	12	3	0	2	6
	WALK; WORK AT HOME			6	6	8	5	4	1	5
	TAXI; OTHER			2	2	2	2	3	4	2

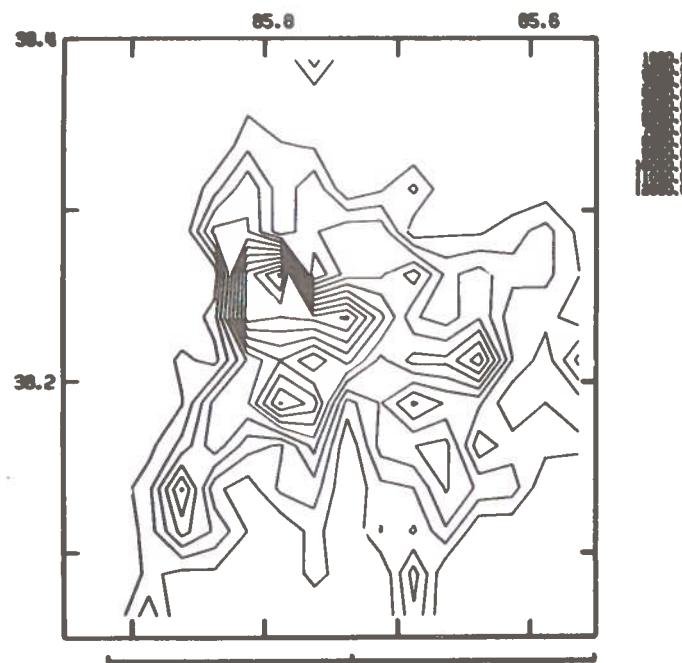
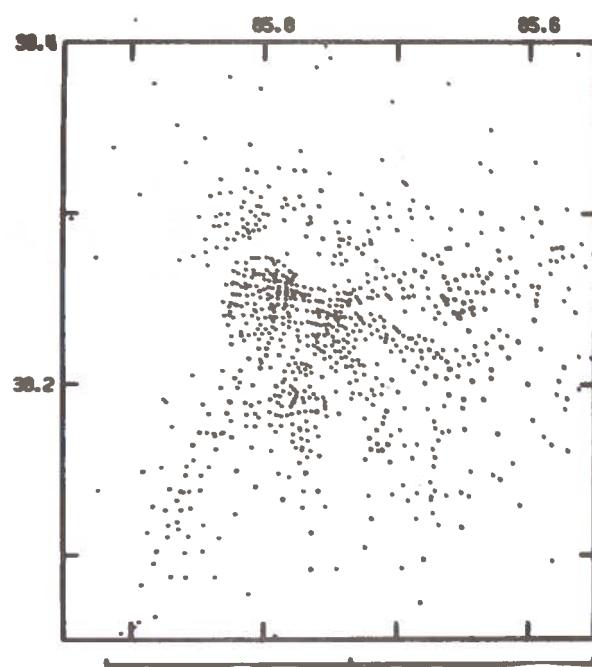
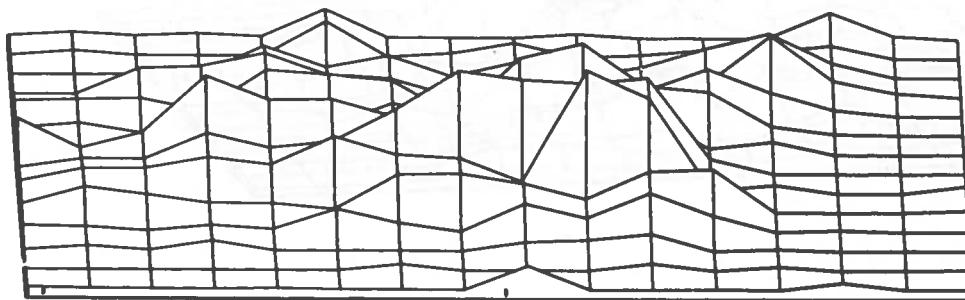
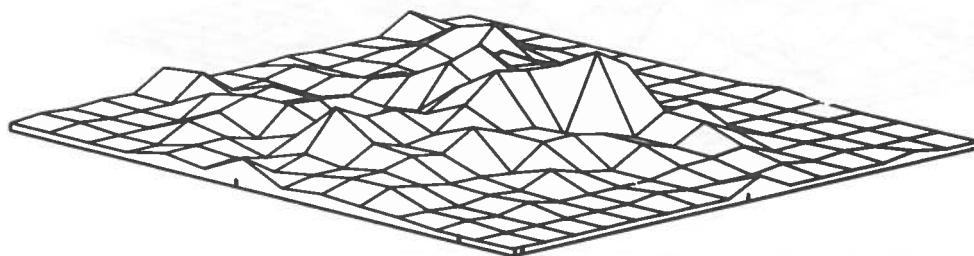


Figure 17-1. Population Density Plots - Dot and Contour Maps - Louisville

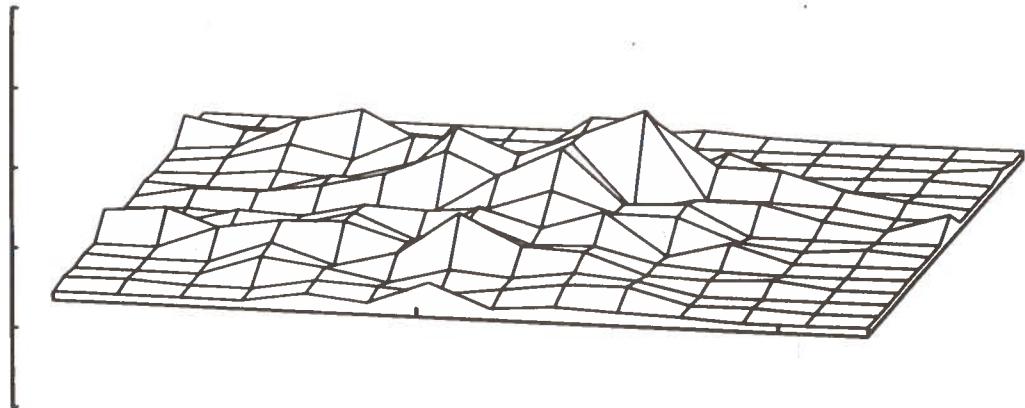


0.0 DEGREES

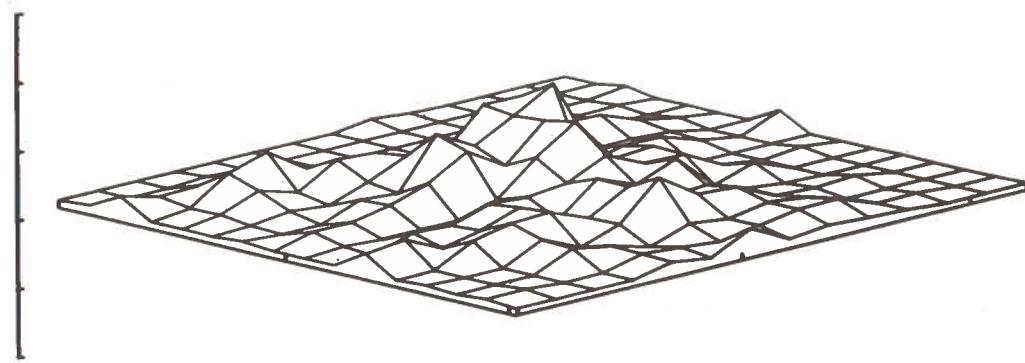


45.0 DEGREES

Figure 17-2. Population Density Plots - Isometric Views
(0° , 45°) - Louisville

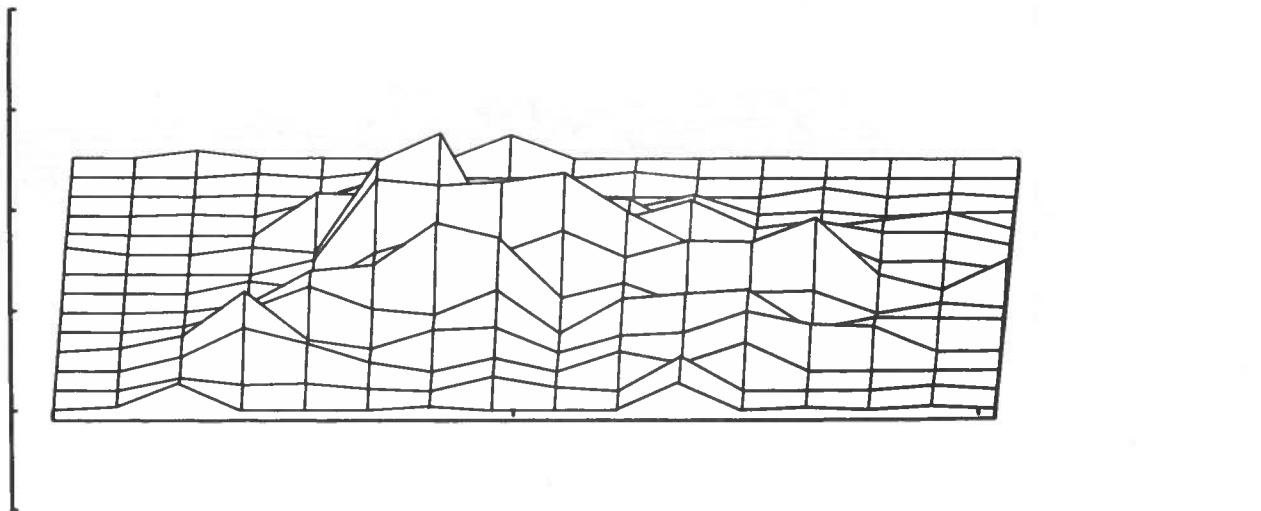


90.0 DEGREES

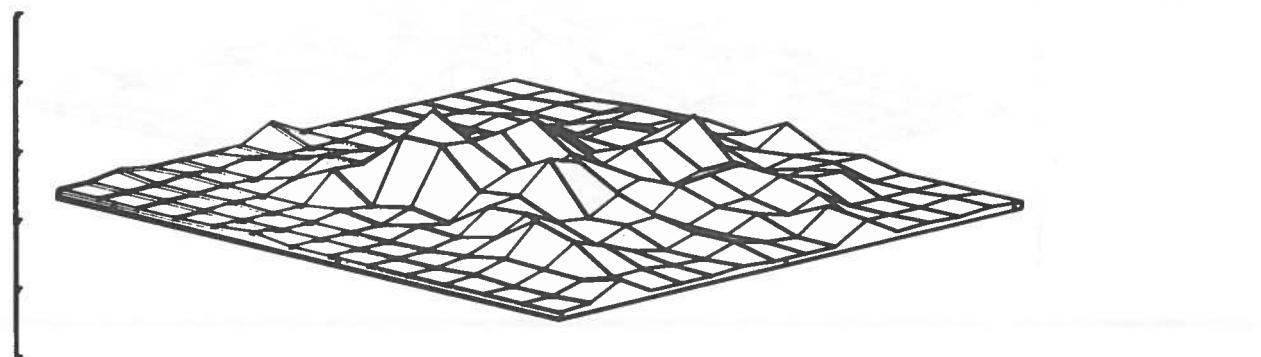


135.0 DEGREES

Figure 17-3. Population Density Plots - Isometric Views
(90° , 135°) -Louisville

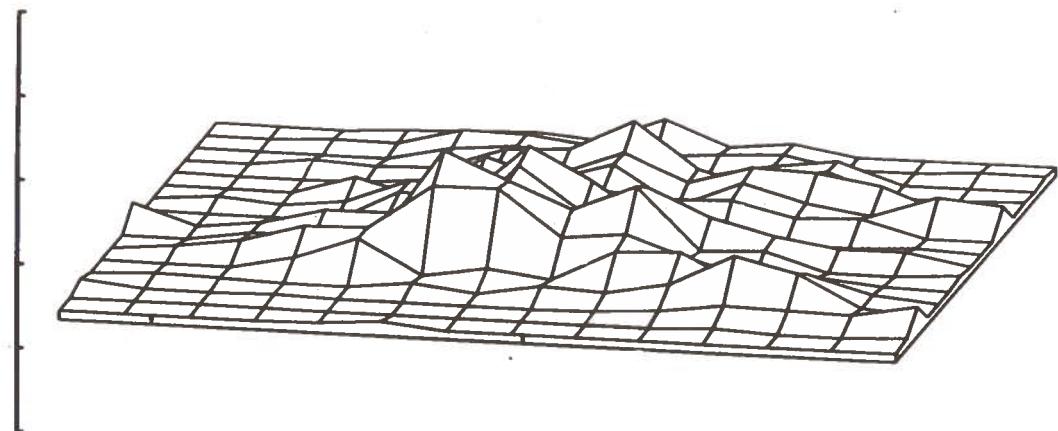


180.0 DEGREES

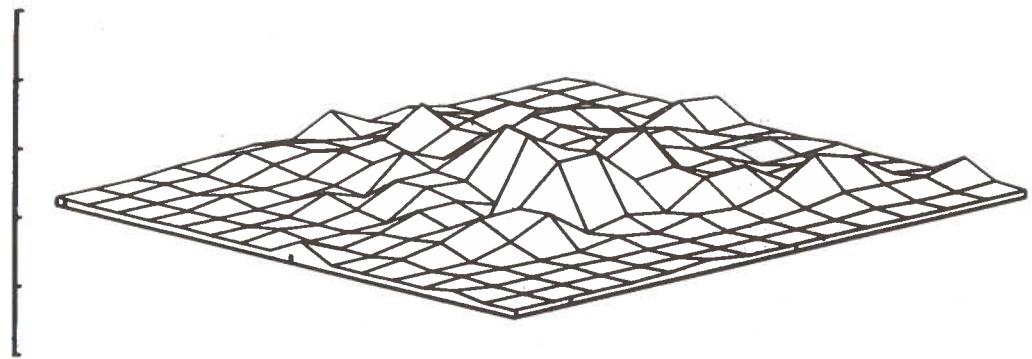


225.0 DEGREES

Figure 17-4. Population Density Plots - Isometric Views
(180° , 225°) - Louisville



270.0 DEGREES



315.0 DEGREES

Figure 17-5. Population Density Plots - Isometric Views
(270° , 315°) - Louisville

18. MIAMI, FLORIDA

TABLE 18-1. SOCIO-ECONOMIC DATA BY URBAN RING - MIAMI

CITY TRACTS BY INNER & OUTER RADII	CITY: MIAMI, FLORIDA U.A. RANK: 18	URBAN CHARACTERISTICS	TOTAL POP.		LAND AREA (sq. mi.)		POP. DENSITY		{ LATITUDE: 80° 16' 30" LONGITUDE: 80° 11' 24"}
			SMSA	URBANIZED AREA:	2,042	621	0.0 MI. PIVOT POINT:		
			CENTRAL CITY: CND:	3,274	34	9,715	8,282		
0.0 - 1.0 Mi. Total Pop.	27,771 (100.0)	63,510 (100.0)	206,090 (100.0)	187,859 (100.0)	228,017 (100.0)	183,215 (100.0)	149,000 (100.0)	129,162 (100.0)	104,392 (100.0)
White Pop.	14,174 (51.0)	54,174 (85.3)	171,107 (93.0)	115,049 (61.2)	221,953 (97.1)	175,260 (94.6)	140,666 (94.0)	96,200 (92.2)	104,189 (80.7)
Black Pop.	13,502 (48.6)	8,972 (14.1)	33,772 (16.4)	72,189 (38.4)	5,379 (2.4)	9,447 (5.1)	8,293 (5.5)	24,500 (19.0)	105,057 (97.8)
Span. (of white)	7,199 (25.9)	36,782 (57.9)	87,474 (42.4)	34,263 (18.2)	57,399 (25.2)	36,453 (13.7)	9,988 (5.5)	7,778 (7.5)	1,867 (1.7)
Other	95 (1.3)	364 (1.6)	1,211 (1.6)	661 (4.2)	1,145 (5.5)	608 (3.3)	641 (4.4)	414 (1.4)	5,849 (4.1)
Total Male Pop.	13,998	29,442	94,215	86,647	107,249	88,135	72,103	51,290	62,026
Median Male Age	39.4	39.5	40.8	31.0	36.9	31.3	29.4	26.9	32.2
Total Female Pop.	13,773	34,068	111,875	101,252	120,768	95,080	77,497	53,102	67,136
Median Female Age	38.8	42.2	45.1	35.6	40.9	34.6	31.4	28.3	35.8
% of Total Pop. - 65+	18.7	16.1	23.1	13.9	15.6	10.5	9.4	8.4	13.8
Mean Family Inc.	\$7,076	\$8,652	\$8,602	\$10,851	\$13,125	\$12,740	\$13,305	\$13,059	\$11,439
Median Family Inc.	\$5,504	\$6,533	\$7,008	\$8,123	\$9,963	\$10,810	\$11,554	\$11,024	\$9,767
No. of Households	12,141	22,762	70,515	60,222	75,764	55,87	41,226	24,267	34,267
No. of Families	5,949	16,409	54,019	46,684	63,006	49,169	39,883	26,050	35,820
Average H.H. Size	2.2	2.7	2.9	3.1	2.9	3.3	3.6	4.3	3.8
Average Fam. Size	3.2	3.2	3.2	3.4	3.1	3.4	3.5	3.7	3.2
Total No. of Renters	11,902	19,461	50,044	34,679	34,142	20,435	9,928	3,174	9,426
Avg. Rent Paid	\$95	\$107	\$117	\$115	\$161	\$160	\$71	\$151	\$128
Median Rent Paid	\$77	\$96	\$116	\$109	\$143	\$157	\$72	\$150	\$122
% of Total Pop. - Renting	98.0	85.5	71.0	57.6	45.1	37.0	24.1	13.1	27.5
Total No. of Home Owners	239	3,301	20,471	25,543	41,622	34,752	31,298	21,093	24,841
Avg. Value of House	\$18,912	\$25,517	\$11,370	\$22,482	\$22,478	\$25,574	\$24,173	\$25,628	\$22,771
Median Value of House	\$16,410	\$20,457	\$16,505	\$18,254	\$18,347	\$19,211	\$20,009	\$21,279	\$20,347
% of Total Pop. Own Home	2.0	14.5	29.0	42.4	54.9	63.0	75.9	86.9	72.5
No. Own 0 Autos.	(1)	7,561 (60.2)	8,240 (34.2)	28,299 (36.2)	17,072 (25.8)	10,746 (13.2)	4,085 (8.2)	2,889 (6.4)	1,336 (4.5)
No. Own 1 Auto.	(1)	4,195 (31.4)	11,990 (49.8)	35,500 (45.4)	37,858 (48.1)	40,737 (50.2)	28,162 (47.3)	16,907 (41.9)	12,088 (41.1)
No. Own 2 Autos.	(1)	643 (5.1)	3,160 (13.1)	12,035 (15.4)	14,527 (21.9)	24,501 (30.2)	21,950 (36.4)	19,307 (42.8)	13,144 (44.6)
No. Own 3+ Autos.	(1)	161 (1.3)	683 (2.8)	2,435 (3.1)	2,799 (4.2)	5,240 (6.5)	4,815 (8.1)	4,024 (8.9)	2,879 (9.8)

TABLE 18-2. JOURNEY-TO-WORK DATA - MIAMI

SMSA: MIAMI, FLA.			PLACE OF RESIDENCE (000)						EMPLOY- MENT DENSITY FOR GRAND TOTALS (PER SQ. MI.)					
			LIVING IN THE SMSA			LIVING OUTSIDE SMSA, WORKING IN IT								
			SMSA TOTAL	U.A. TOTAL	CENTRAL CITY	RURAL AND SCATTERED URBAN	URBAN- IZED RING	LIVING OUTSIDE SMSA, WORKING IN IT						
S	M	SMSA TOTAL	484	467	141	326	17	34	518	254				
U.	A.	URBANIZED AREA TOTAL	474	462	139	323	12	32	506	1,954				
M.	S.	CENTRAL CITY	193	188	82	106	5	20	213	6,265				
S.	A.	TOTAL	—	—	—	—	—	—	—	—				
PLACE OF WORK (000)	CEN- TRAL CITY	CBD	23	22	10	12	1	3	26	65,000				
		OTHER	170	166	72	94	4	17	187	5,566				
		URBANIZED RING	281	274	57	217	7	12	293	1,302				
HOME- TO- WORK FLOWS			RURAL & SCATTERED URBAN	10	5	2	3	5	2	12	7			
WORKING OUTSIDE SMSA, LIVING IN IT			GRAND TOTAL	17	15	3	12	2	—	—	—			
WORKER DENSITY FOR GRAND TOTALS (PER SQ. MI.)			501	482	144	338	19	34	535	—	—			
DISTRIBU- TION OF WORK TRIPS BY MODE (%)	AUTO DRIVER; AUTO PASS.		82%	83%	74%	86%	79%	91%	83%					
	PUBLIC TRANSPORTATION		9	9	17	6	5	3	8					
	WALK; WORK AT HOME		6	6	7	5	11	0	6					
	TAXI; OTHER		3	2	2	3	5	6	3					

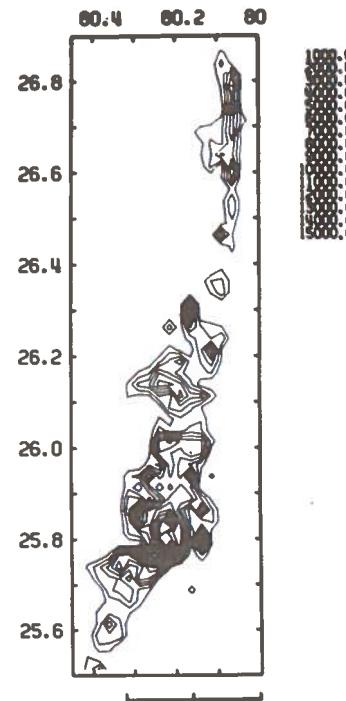
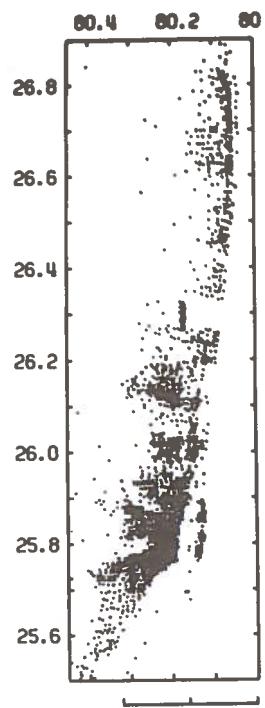
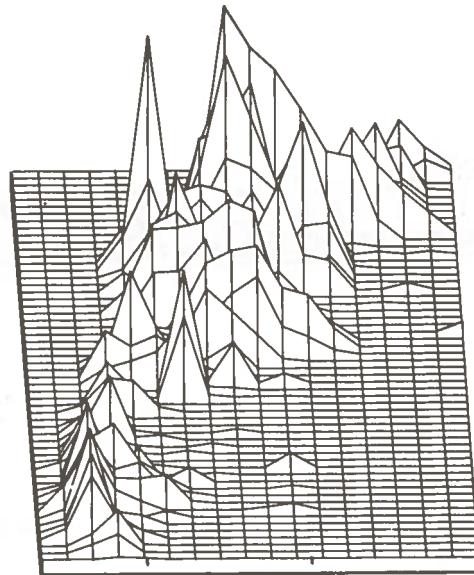
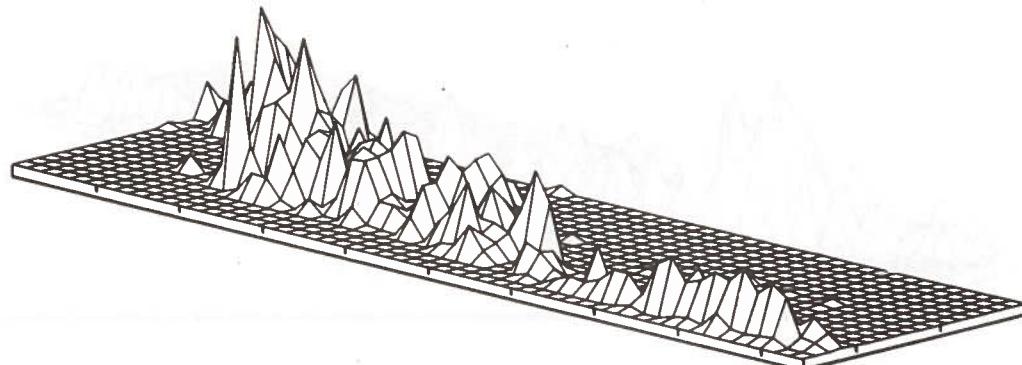


Figure 18-1. Population Density Plots - Dot and Contour Maps - Miami

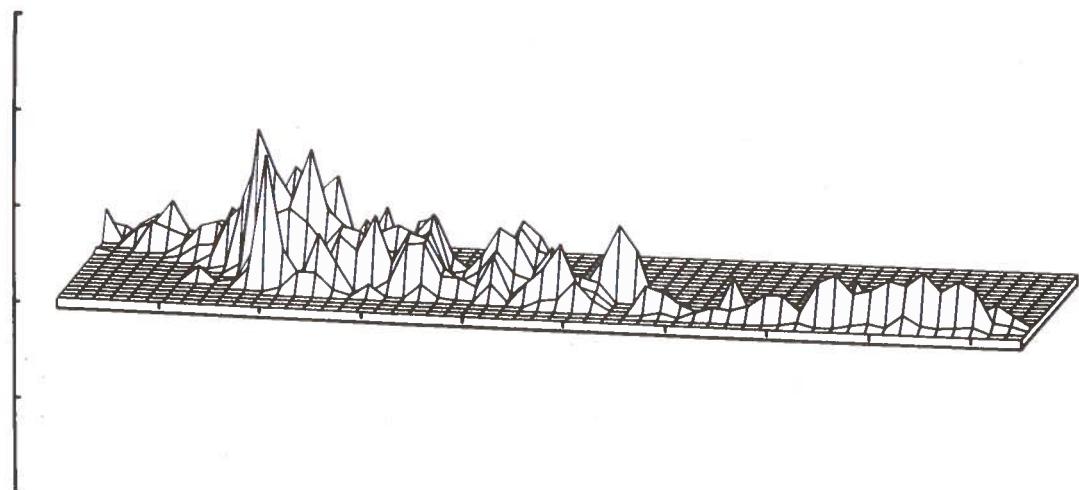


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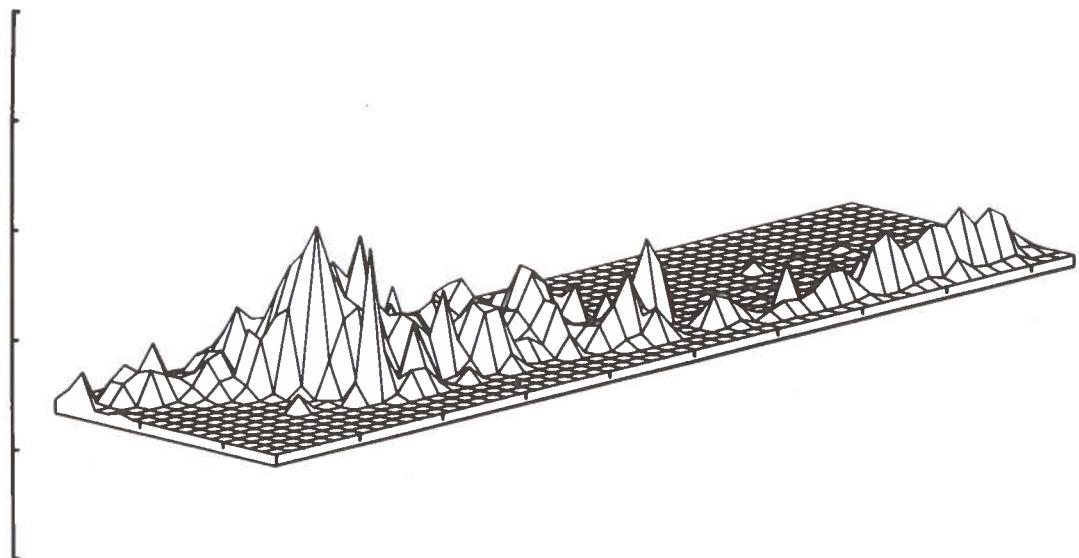


45.0 DEGREES

Figure 18-2. Population Density Plots - Isometric Views
 $(0^\circ, 45^\circ)$ - Miami

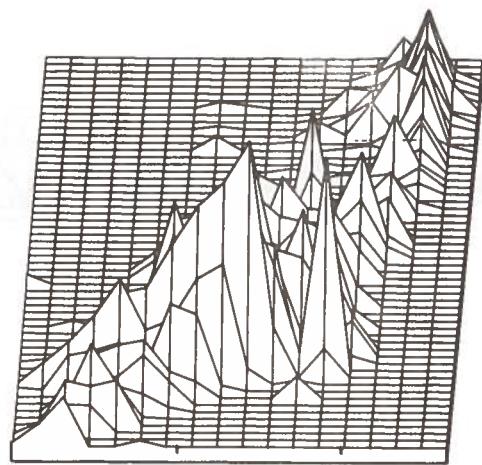


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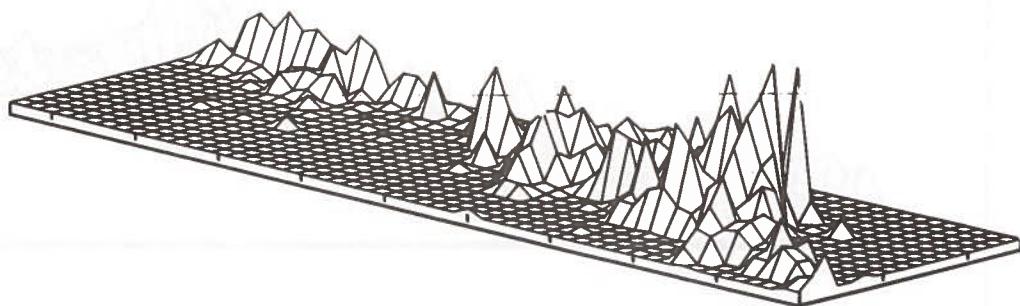


135.0 DEGREES

Figure 18-3. Population Density Plots - Isometric Views
(90°, 135°) - Miami

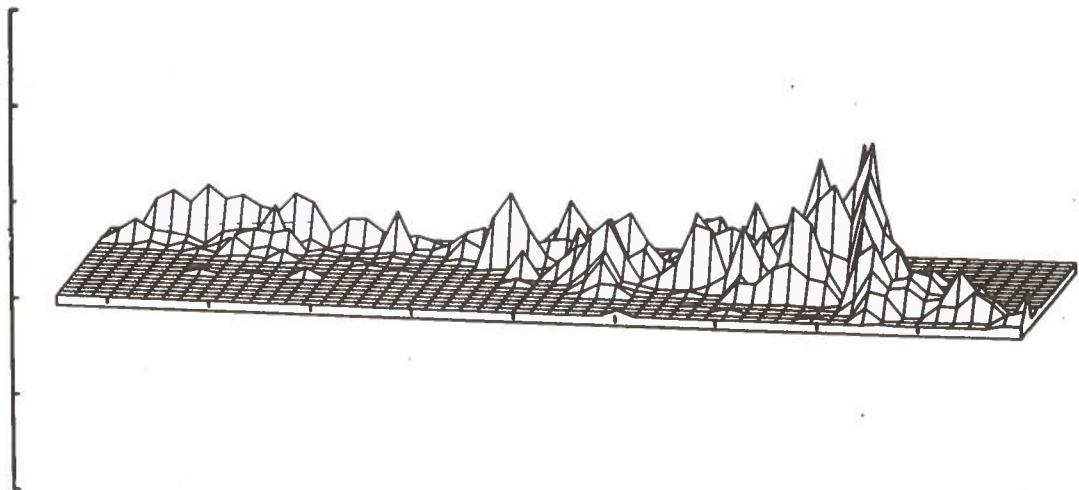


180.0 DEGREES

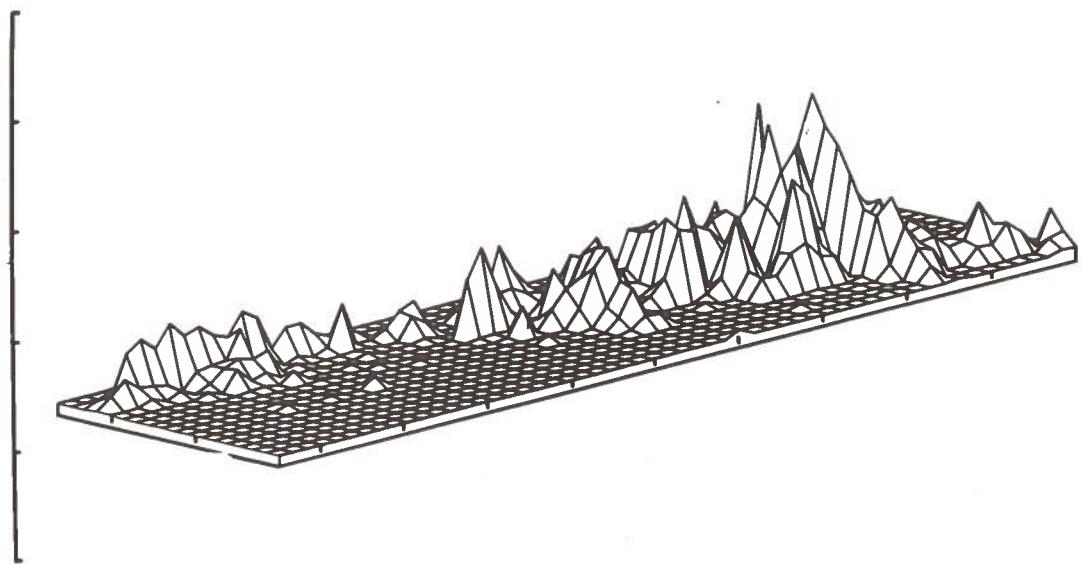


225.0 DEGREES

Figure 18-4. Population Density Plots - Isometric Views
(180°, 225°) - Miami



270.0 DEGREES



315.0 DEGREES

Figure 18-5. Population Density Plots - Isometric Views
(270° , 315°) - Miami