

General Linear Model

Within-Subjects Factors

Measure: MEASURE_1

Altitude	Dependent Variable
1	alt14k
2	alt45k.3.24LPM
3	alt40k.3.10LPM
4	alt35k.2.55LPM
5	alt30k.2.00LPM
6	alt25k.1.50LPM
7	alt20k.1.17LPM
8	alt18.5k.0.83 LPM
9	alt15k.0.50LPM
10	alt12k.0.25LPM

Between-Subjects Factors

		N
Gender	1	6
	2	6
Age	1	4
	2	4
	3	4

Descriptive Statistics

	Gender	Age	Mean	Std. Deviation	N
SpO2	1	1	82.000	1.4142	2
		2	83.500	2.1213	2
		3	80.500	.7071	2
		Total	82.000	1.7889	6
	2	1	83.500	2.1213	2
		2	74.000	2.8284	2
		3	81.000	1.4142	2
		Total	79.500	4.7223	6
	Total	1	82.750	1.7078	4
		2	78.750	5.8523	4
		3	80.750	.9574	4
		Total	80.750	3.6463	12
SpO2	1	1	78.000	2.8284	2
		2	83.500	.7071	2
		3	79.000	.0000	2
		Total	80.167	2.9269	6
	2	1	82.500	2.1213	2
		2	82.000	2.8284	2
		3	84.500	.7071	2
		Total	83.000	2.0000	6
	Total	1	80.250	3.3040	4
		2	82.750	1.8930	4
		3	81.750	3.2016	4
		Total	81.583	2.8110	12
SpO2	1	1	91.000	.0000	2
		2	93.500	2.1213	2
		3	93.500	3.5355	2
		Total	92.667	2.2509	6
	2	1	96.500	2.1213	2
		2	96.000	1.4142	2
		3	95.500	3.5355	2
		Total	96.000	2.0000	6
	Total	1	93.750	3.4034	4
		2	94.750	2.0616	4
		3	94.500	3.1091	4
		Total	94.333	2.6742	12
SpO2	1	1	96.000	.0000	2
		2	96.500	2.1213	2

Descriptive Statistics

	Gender	Age	Mean	Std. Deviation	N
		3	97.000	2.8284	2
		Total	96.500	1.6432	6
	2	1	99.000	1.4142	2
		2	98.500	.7071	2
		3	98.000	2.8284	2
		Total	98.500	1.5166	6
	Total	1	97.500	1.9149	4
		2	97.500	1.7321	4
		3	97.500	2.3805	4
		Total	97.500	1.8340	12
SpO2	1	1	97.000	.0000	2
		2	98.500	.7071	2
		3	98.000	1.4142	2
		Total	97.833	.9832	6
	2	1	99.000	.0000	2
		2	99.500	.7071	2
		3	98.500	2.1213	2
		Total	99.000	1.0954	6
	Total	1	98.000	1.1547	4
		2	99.000	.8165	4
		3	98.250	1.5000	4
		Total	98.417	1.1645	12
SpO2	1	1	97.500	.7071	2
		2	98.500	.7071	2
		3	97.500	2.1213	2
		Total	97.833	1.1690	6
	2	1	98.500	.7071	2
		2	99.000	.0000	2
		3	99.000	1.4142	2
		Total	98.833	.7528	6
	Total	1	98.000	.8165	4
		2	98.750	.5000	4
		3	98.250	1.7078	4
		Total	98.333	1.0731	12
SpO2	1	1	96.500	3.5355	2
		2	98.000	.0000	2
		3	96.500	3.5355	2
		Total	97.000	2.3664	6

Descriptive Statistics

	Gender	Age	Mean	Std. Deviation	N
	2	1	98.500	.7071	2
		2	99.000	.0000	2
		3	99.000	1.4142	2
		Total	98.833	.7528	6
	Total	1	97.500	2.3805	4
		2	98.500	.5774	4
		3	97.750	2.6300	4
		Total	97.917	1.9287	12
SpO2	1	1	96.000	4.2426	2
		2	97.000	1.4142	2
		3	96.500	2.1213	2
		Total	96.500	2.2583	6
	2	1	98.000	.0000	2
		2	99.000	.0000	2
		3	98.000	2.8284	2
		Total	98.333	1.3663	6
	Total	1	97.000	2.7080	4
		2	98.000	1.4142	4
		3	97.250	2.2174	4
		Total	97.417	2.0207	12
SpO2	1	1	95.000	4.2426	2
		2	94.500	.7071	2
		3	95.000	1.4142	2
		Total	94.833	2.0412	6
	2	1	96.500	2.1213	2
		2	98.000	.0000	2
		3	96.000	2.8284	2
		Total	96.833	1.8348	6
	Total	1	95.750	2.8723	4
		2	96.250	2.0616	4
		3	95.500	1.9149	4
		Total	95.833	2.1249	12
SpO2	1	1	89.500	2.1213	2
		2	92.500	.7071	2
		3	94.000	1.4142	2
		Total	92.000	2.3664	6
	2	1	93.500	2.1213	2
		2	95.500	2.1213	2

Descriptive Statistics

Gender	Age	Mean	Std. Deviation	N
Total	3	93.000	1.4142	2
	Total	94.000	1.8974	6
	1	91.500	2.8868	4
	2	94.000	2.1602	4
	3	93.500	1.2910	4
	Total	93.000	2.2962	12

Multivariate Tests^a

Effect		Value	F	Hypothesis df	Error df
Altitude	Pillai's Trace	. ^b	.	.	.
	Wilks' Lambda	. ^b	.	.	.
	Hotelling's Trace	. ^b	.	.	.
	Roy's Largest Root	. ^b	.	.	.
Altitude * Gender	Pillai's Trace	. ^b	.	.	.
	Wilks' Lambda	. ^b	.	.	.
	Hotelling's Trace	. ^b	.	.	.
	Roy's Largest Root	. ^b	.	.	.
Altitude * Age	Pillai's Trace	. ^b	.	.	.
	Wilks' Lambda	. ^b	.	.	.
	Hotelling's Trace	. ^b	.	.	.
	Roy's Largest Root	. ^b	.	.	.
Altitude * Gender * Age	Pillai's Trace	. ^b	.	.	.
	Wilks' Lambda	. ^b	.	.	.
	Hotelling's Trace	. ^b	.	.	.
	Roy's Largest Root	. ^b	.	.	.

Multivariate Tests^a

Effect		Sig.	Partial Eta Squared	Noncent. Parameter
Altitude	Pillai's Trace	.	.	.
	Wilks' Lambda	.	.	.
	Hotelling's Trace	.	.	.
	Roy's Largest Root	.	.	.
Altitude * Gender	Pillai's Trace	.	.	.
	Wilks' Lambda	.	.	.
	Hotelling's Trace	.	.	.
	Roy's Largest Root	.	.	.
Altitude * Age	Pillai's Trace	.	.	.
	Wilks' Lambda	.	.	.
	Hotelling's Trace	.	.	.
	Roy's Largest Root	.	.	.
Altitude * Gender * Age	Pillai's Trace	.	.	.
	Wilks' Lambda	.	.	.
	Hotelling's Trace	.	.	.
	Roy's Largest Root	.	.	.

Multivariate Tests^a

Effect		Observed Power ^c
Altitude	Pillai's Trace	.
	Wilks' Lambda	.
	Hotelling's Trace	.
	Roy's Largest Root	.
Altitude * Gender	Pillai's Trace	.
	Wilks' Lambda	.
	Hotelling's Trace	.
	Roy's Largest Root	.
Altitude * Age	Pillai's Trace	.
	Wilks' Lambda	.
	Hotelling's Trace	.
	Roy's Largest Root	.
Altitude * Gender * Age	Pillai's Trace	.
	Wilks' Lambda	.
	Hotelling's Trace	.
	Roy's Largest Root	.

- a. Design: Intercept + Gender + Age + Gender * Age
Within Subjects Design: Altitude
- b. Cannot produce multivariate test statistics because of insufficient residual degrees of freedom.
- c. Computed using alpha = .05

Mauchly's Test of Sphericity^a

Measure: MEASURE_1

Within Subjects Effect	Mauchly's W	Approx. Chi-Square	df	Sig.	Epsilon ^b Greenhouse-Geisser
Altitude	.000	.	44	.	.301

Mauchly's Test of Sphericity^a

Measure: MEASURE_1

Within Subjects Effect	Epsilon ^b	
	Huynh-Feldt	Lower-bound
Altitude	1.000	.111

Tests the null hypothesis that the error covariance matrix of the orthonormalized transformed dependent variables is proportional to an identity matrix.

- a. Design: Intercept + Gender + Age + Gender * Age
Within Subjects Design: Altitude
- b. May be used to adjust the degrees of freedom for the averaged tests of significance. Corrected tests are displayed in the Tests of Within-Subjects Effects table.

Tests of Within-Subjects Effects

Measure: MEASURE_1

Source		Type III Sum of Squares	df	Mean Square	F
Altitude	Sphericity Assumed	4912.075	9	545.786	190.329
	Greenhouse-Geisser	4912.075	2.710	1812.258	190.329
	Huynh-Feldt	4912.075	9.000	545.786	190.329
	Lower-bound	4912.075	1.000	4912.075	190.329
Altitude * Gender	Sphericity Assumed	67.342	9	7.482	2.609
	Greenhouse-Geisser	67.342	2.710	24.845	2.609
	Huynh-Feldt	67.342	9.000	7.482	2.609
	Lower-bound	67.342	1.000	67.342	2.609
Altitude * Age	Sphericity Assumed	61.850	18	3.436	1.198
	Greenhouse-Geisser	61.850	5.421	11.409	1.198
	Huynh-Feldt	61.850	18.000	3.436	1.198
	Lower-bound	61.850	2.000	30.925	1.198
Altitude * Gender * Age	Sphericity Assumed	106.983	18	5.944	2.073
	Greenhouse-Geisser	106.983	5.421	19.735	2.073
	Huynh-Feldt	106.983	18.000	5.944	2.073
	Lower-bound	106.983	2.000	53.492	2.073
Error(Altitude)	Sphericity Assumed	154.850	54	2.868	
	Greenhouse-Geisser	154.850	16.263	9.522	
	Huynh-Feldt	154.850	54.000	2.868	
	Lower-bound	154.850	6.000	25.808	

Tests of Within-Subjects Effects

Measure: MEASURE_1

Source		Sig.	Partial Eta Squared	Noncent. Parameter
Altitude	Sphericity Assumed	<.001	.969	1712.961
	Greenhouse-Geisser	<.001	.969	515.881
	Huynh-Feldt	<.001	.969	1712.961
	Lower-bound	<.001	.969	190.329
Altitude * Gender	Sphericity Assumed	.014	.303	23.484
	Greenhouse-Geisser	.091	.303	7.072
	Huynh-Feldt	.014	.303	23.484
	Lower-bound	.157	.303	2.609
Altitude * Age	Sphericity Assumed	.295	.285	21.569
	Greenhouse-Geisser	.354	.285	6.496
	Huynh-Feldt	.295	.285	21.569
	Lower-bound	.365	.285	2.397
Altitude * Gender * Age	Sphericity Assumed	.020	.409	37.308
	Greenhouse-Geisser	.118	.409	11.236
	Huynh-Feldt	.020	.409	37.308
	Lower-bound	.207	.409	4.145
Error(Altitude)	Sphericity Assumed			
	Greenhouse-Geisser			
	Huynh-Feldt			
	Lower-bound			

Tests of Within-Subjects Effects

Measure: MEASURE_1

Source		Observed Power ^a
Altitude	Sphericity Assumed	1.000
	Greenhouse-Geisser	1.000
	Huynh-Feldt	1.000
	Lower-bound	1.000
Altitude * Gender	Sphericity Assumed	.906
	Greenhouse-Geisser	.509
	Huynh-Feldt	.906
	Lower-bound	.276
Altitude * Age	Sphericity Assumed	.706
	Greenhouse-Geisser	.328
	Huynh-Feldt	.706
	Lower-bound	.177
Altitude * Gender * Age	Sphericity Assumed	.947
	Greenhouse-Geisser	.551
	Huynh-Feldt	.947
	Lower-bound	.277
Error(Altitude)	Sphericity Assumed	
	Greenhouse-Geisser	
	Huynh-Feldt	
	Lower-bound	

a. Computed using alpha = .05

Tests of Within-Subjects Contrasts

Measure: MEASURE_1

Source	Altitude	Type III Sum of Squares	df	Mean Square	F
Altitude	Level 2 vs. Level 1	8.333	1	8.333	3.333
	Level 3 vs. Level 1	2214.083	1	2214.083	385.058
	Level 4 vs. Level 1	3366.750	1	3366.750	511.405
	Level 5 vs. Level 1	3745.333	1	3745.333	802.571
	Level 6 vs. Level 1	3710.083	1	3710.083	729.852
	Level 7 vs. Level 1	3536.333	1	3536.333	400.340
	Level 8 vs. Level 1	3333.333	1	3333.333	327.869
	Level 9 vs. Level 1	2730.083	1	2730.083	239.131
	Level 10 vs. Level 1	1800.750	1	1800.750	194.676
Altitude * Gender	Level 2 vs. Level 1	85.333	1	85.333	34.133
	Level 3 vs. Level 1	102.083	1	102.083	17.754
	Level 4 vs. Level 1	60.750	1	60.750	9.228
	Level 5 vs. Level 1	40.333	1	40.333	8.643
	Level 6 vs. Level 1	36.750	1	36.750	7.230
	Level 7 vs. Level 1	56.333	1	56.333	6.377
	Level 8 vs. Level 1	56.333	1	56.333	5.541
	Level 9 vs. Level 1	60.750	1	60.750	5.321
	Level 10 vs. Level 1	60.750	1	60.750	6.568
Altitude * Age	Level 2 vs. Level 1	84.667	2	42.333	16.933
	Level 3 vs. Level 1	50.167	2	25.083	4.362
	Level 4 vs. Level 1	32.000	2	16.000	2.430
	Level 5 vs. Level 1	50.167	2	25.083	5.375
	Level 6 vs. Level 1	45.167	2	22.583	4.443
	Level 7 vs. Level 1	50.167	2	25.083	2.840
	Level 8 vs. Level 1	50.167	2	25.083	2.467
	Level 9 vs. Level 1	41.167	2	20.583	1.803
	Level 10 vs. Level 1	86.000	2	43.000	4.649
Altitude * Gender * Age	Level 2 vs. Level 1	12.667	2	6.333	2.533
	Level 3 vs. Level 1	60.167	2	30.083	5.232
	Level 4 vs. Level 1	74.000	2	37.000	5.620
	Level 5 vs. Level 1	70.167	2	35.083	7.518
	Level 6 vs. Level 1	64.500	2	32.250	6.344
	Level 7 vs. Level 1	58.167	2	29.083	3.292
	Level 8 vs. Level 1	77.167	2	38.583	3.795
	Level 9 vs. Level 1	108.500	2	54.250	4.752
	Level 10 vs. Level 1	104.000	2	52.000	5.622

Tests of Within-Subjects Contrasts

Measure: MEASURE_1

Source	Altitude	Sig.	Partial Eta Squared	Noncent. Parameter
Altitude	Level 2 vs. Level 1	.118	.357	3.333
	Level 3 vs. Level 1	<.001	.985	385.058
	Level 4 vs. Level 1	<.001	.988	511.405
	Level 5 vs. Level 1	<.001	.993	802.571
	Level 6 vs. Level 1	<.001	.992	729.852
	Level 7 vs. Level 1	<.001	.985	400.340
	Level 8 vs. Level 1	<.001	.982	327.869
	Level 9 vs. Level 1	<.001	.976	239.131
	Level 10 vs. Level 1	<.001	.970	194.676
Altitude * Gender	Level 2 vs. Level 1	.001	.850	34.133
	Level 3 vs. Level 1	.006	.747	17.754
	Level 4 vs. Level 1	.023	.606	9.228
	Level 5 vs. Level 1	.026	.590	8.643
	Level 6 vs. Level 1	.036	.546	7.230
	Level 7 vs. Level 1	.045	.515	6.377
	Level 8 vs. Level 1	.057	.480	5.541
	Level 9 vs. Level 1	.061	.470	5.321
	Level 10 vs. Level 1	.043	.523	6.568
Altitude * Age	Level 2 vs. Level 1	.003	.849	33.867
	Level 3 vs. Level 1	.068	.593	8.725
	Level 4 vs. Level 1	.169	.448	4.861
	Level 5 vs. Level 1	.046	.642	10.750
	Level 6 vs. Level 1	.065	.597	8.885
	Level 7 vs. Level 1	.136	.486	5.679
	Level 8 vs. Level 1	.165	.451	4.934
	Level 9 vs. Level 1	.244	.375	3.606
	Level 10 vs. Level 1	.060	.608	9.297
Altitude * Gender * Age	Level 2 vs. Level 1	.159	.458	5.067
	Level 3 vs. Level 1	.048	.636	10.464
	Level 4 vs. Level 1	.042	.652	11.241
	Level 5 vs. Level 1	.023	.715	15.036
	Level 6 vs. Level 1	.033	.679	12.689
	Level 7 vs. Level 1	.108	.523	6.585
	Level 8 vs. Level 1	.086	.559	7.590
	Level 9 vs. Level 1	.058	.613	9.504
	Level 10 vs. Level 1	.042	.652	11.243

Tests of Within-Subjects Contrasts

Measure: MEASURE_1

Source	Altitude	Observed Power ^a
Altitude	Level 2 vs. Level 1	.337
	Level 3 vs. Level 1	1.000
	Level 4 vs. Level 1	1.000
	Level 5 vs. Level 1	1.000
	Level 6 vs. Level 1	1.000
	Level 7 vs. Level 1	1.000
	Level 8 vs. Level 1	1.000
	Level 9 vs. Level 1	1.000
	Level 10 vs. Level 1	1.000
Altitude * Gender	Level 2 vs. Level 1	.998
	Level 3 vs. Level 1	.936
	Level 4 vs. Level 1	.717
	Level 5 vs. Level 1	.690
	Level 6 vs. Level 1	.614
	Level 7 vs. Level 1	.562
	Level 8 vs. Level 1	.506
	Level 9 vs. Level 1	.491
	Level 10 vs. Level 1	.574
Altitude * Age	Level 2 vs. Level 1	.980
	Level 3 vs. Level 1	.521
	Level 4 vs. Level 1	.317
	Level 5 vs. Level 1	.611
	Level 6 vs. Level 1	.529
	Level 7 vs. Level 1	.363
	Level 8 vs. Level 1	.321
	Level 9 vs. Level 1	.246
	Level 10 vs. Level 1	.548
Altitude * Gender * Age	Level 2 vs. Level 1	.329
	Level 3 vs. Level 1	.599
	Level 4 vs. Level 1	.631
	Level 5 vs. Level 1	.760
	Level 6 vs. Level 1	.685
	Level 7 vs. Level 1	.413
	Level 8 vs. Level 1	.465
	Level 9 vs. Level 1	.557
	Level 10 vs. Level 1	.631

Tests of Within-Subjects Contrasts

Measure: MEASURE_1

Source	Altitude	Type III Sum of Squares	df	Mean Square	F
Error(Altitude)	Level 2 vs. Level 1	15.000	6	2.500	
	Level 3 vs. Level 1	34.500	6	5.750	
	Level 4 vs. Level 1	39.500	6	6.583	
	Level 5 vs. Level 1	28.000	6	4.667	
	Level 6 vs. Level 1	30.500	6	5.083	
	Level 7 vs. Level 1	53.000	6	8.833	
	Level 8 vs. Level 1	61.000	6	10.167	
	Level 9 vs. Level 1	68.500	6	11.417	
	Level 10 vs. Level 1	55.500	6	9.250	

Tests of Within-Subjects Contrasts

Measure: MEASURE_1

Source	Altitude	Sig.	Partial Eta Squared	Noncent. Parameter
Error(Altitude)	Level 2 vs. Level 1			
	Level 3 vs. Level 1			
	Level 4 vs. Level 1			
	Level 5 vs. Level 1			
	Level 6 vs. Level 1			
	Level 7 vs. Level 1			
	Level 8 vs. Level 1			
	Level 9 vs. Level 1			
	Level 10 vs. Level 1			

Tests of Within-Subjects Contrasts

Measure: MEASURE_1

Source	Altitude	Observed Power ^a
Error(Altitude)	Level 2 vs. Level 1	
	Level 3 vs. Level 1	
	Level 4 vs. Level 1	
	Level 5 vs. Level 1	
	Level 6 vs. Level 1	
	Level 7 vs. Level 1	
	Level 8 vs. Level 1	
	Level 9 vs. Level 1	
	Level 10 vs. Level 1	

a. Computed using alpha = .05

Tests of Between-Subjects Effects

Measure: MEASURE_1

Transformed Variable: Average

Source	Type III Sum of Squares	df	Mean Square	F	Sig.	Partial Eta Squared
Intercept	104925.701	1	104925.701	85479.186	<.001	1.000
Gender	7.208	1	7.208	5.872	.052	.495
Age	.782	2	.391	.318	.739	.096
Gender * Age	2.535	2	1.267	1.033	.412	.256
Error	7.365	6	1.228			

Tests of Between-Subjects Effects

Measure: MEASURE_1

Transformed Variable: Average

Source	Noncent. Parameter	Observed Power ^a
Intercept	85479.186	1.000
Gender	5.872	.529
Age	.637	.081
Gender * Age	2.065	.158
Error		

a. Computed using alpha = .05

Estimated Marginal Means

Altitude

Estimates

Measure: MEASURE_1

Altitude	Mean	Std. Error	95% Confidence Interval	
			Lower Bound	Upper Bound
1	80.750	.546	79.413	82.087
2	81.583	.546	80.246	82.920
3	94.333	.707	92.603	96.064
4	97.500	.565	96.117	98.883
5	98.417	.323	97.627	99.206
6	98.333	.333	97.518	99.149
7	97.917	.618	96.404	99.429
8	97.417	.672	95.773	99.061
9	95.833	.677	94.177	97.490
10	93.000	.500	91.777	94.223

Pairwise Comparisons

Measure: MEASURE_1

(I) Altitude	(J) Altitude	Mean Difference (I-J)	Std. Error	Sig. ^b	95% Confidence Interval for Difference ^b	
					Lower Bound	Upper Bound
1	2	-.833	.456	.118	-1.950	.284
	3	-13.583 [*]	.692	<.001	-15.277	-11.890
	4	-16.750 [*]	.741	<.001	-18.562	-14.938
	5	-17.667 [*]	.624	<.001	-19.193	-16.141
	6	-17.583 [*]	.651	<.001	-19.176	-15.991
	7	-17.167 [*]	.858	<.001	-19.266	-15.067
	8	-16.667 [*]	.920	<.001	-18.919	-14.414
	9	-15.083 [*]	.975	<.001	-17.470	-12.697
	10	-12.250 [*]	.878	<.001	-14.398	-10.102
2	1	.833	.456	.118	-.284	1.950
	3	-12.750 [*]	.768	<.001	-14.630	-10.870
	4	-15.917 [*]	.777	<.001	-17.819	-14.015
	5	-16.833 [*]	.697	<.001	-18.539	-15.127
	6	-16.750 [*]	.722	<.001	-18.516	-14.984
	7	-16.333 [*]	1.014	<.001	-18.814	-13.853
	8	-15.833 [*]	1.054	<.001	-18.413	-13.254
	9	-14.250 [*]	1.121	<.001	-16.993	-11.507
	10	-11.417 [*]	.829	<.001	-13.446	-9.388
3	1	13.583 [*]	.692	<.001	11.890	15.277
	2	12.750 [*]	.768	<.001	10.870	14.630
	4	-3.167 [*]	.289	<.001	-3.873	-2.460
	5	-4.083 [*]	.493	<.001	-5.290	-2.877
	6	-4.000 [*]	.514	<.001	-5.257	-2.743
	7	-3.583 [*]	.661	.002	-5.202	-1.965
	8	-3.083 [*]	.618	.002	-4.596	-1.571
	9	-1.500	.791	.107	-3.434	.434
	10	1.333	.957	.213	-1.009	3.676
4	1	16.750 [*]	.741	<.001	14.938	18.562
	2	15.917 [*]	.777	<.001	14.015	17.819
	3	3.167 [*]	.289	<.001	2.460	3.873
	5	-.917 [*]	.300	.022	-1.652	-.181
	6	-.833	.373	.067	-1.745	.079
	7	-.417	.583	.502	-1.844	1.011
	8	.083	.546	.884	-1.254	1.420

Pairwise Comparisons

Measure: MEASURE_1

(I) Altitude	(J) Altitude	Mean Difference (I-J)	Std. Error	Sig. ^b	95% Confidence Interval for Difference ^b	
					Lower Bound	Upper Bound
5	9	1.667	.697	.054	-.039	3.373
	10	4.500 [*]	.755	<.001	2.654	6.346
	1	17.667 [*]	.624	<.001	16.141	19.193
	2	16.833 [*]	.697	<.001	15.127	18.539
	3	4.083 [*]	.493	<.001	2.877	5.290
	4	.917 [*]	.300	.022	.181	1.652
	6	.083	.186	.670	-.373	.539
	7	.500	.514	.368	-.757	1.757
	8	1.000	.527	.107	-.290	2.290
	9	2.583 [*]	.571	.004	1.185	3.981
6	10	5.417 [*]	.520	<.001	4.143	6.690
	1	17.583 [*]	.651	<.001	15.991	19.176
	2	16.750 [*]	.722	<.001	14.984	18.516
	3	4.000 [*]	.514	<.001	2.743	5.257
	4	.833	.373	.067	-.079	1.745
	5	-.083	.186	.670	-.539	.373
	7	.417	.382	.317	-.518	1.351
	8	.917	.464	.096	-.219	2.052
	9	2.500 [*]	.486	.002	1.311	3.689
	10	5.333 [*]	.612	<.001	3.835	6.832
7	1	17.167 [*]	.858	<.001	15.067	19.266
	2	16.333 [*]	1.014	<.001	13.853	18.814
	3	3.583 [*]	.661	.002	1.965	5.202
	4	.417	.583	.502	-1.011	1.844
	5	-.500	.514	.368	-1.757	.757
	6	-.417	.382	.317	-1.351	.518
	8	.500	.312	.160	-.263	1.263
	9	2.083 [*]	.363	.001	1.195	2.972
	10	4.917 [*]	.939	.002	2.619	7.215
8	1	16.667 [*]	.920	<.001	14.414	18.919
	2	15.833 [*]	1.054	<.001	13.254	18.413
	3	3.083 [*]	.618	.002	1.571	4.596
	4	-.083	.546	.884	-1.420	1.254
	5	-1.000	.527	.107	-2.290	.290

Pairwise Comparisons

Measure: MEASURE_1

(I) Altitude	(J) Altitude	Mean Difference (I-J)	Std. Error	Sig. ^b	95% Confidence Interval for Difference ^b	
					Lower Bound	Upper Bound
9	6	-.917	.464	.096	-2.052	.219
	7	-.500	.312	.160	-1.263	.263
	9	1.583 [*]	.276	.001	.907	2.260
	10	4.417 [*]	.946	.003	2.101	6.733
	1	15.083 [*]	.975	<.001	12.697	17.470
	2	14.250 [*]	1.121	<.001	11.507	16.993
	3	1.500	.791	.107	-.434	3.434
	4	-1.667	.697	.054	-3.373	.039
	5	-2.583 [*]	.571	.004	-3.981	-1.185
	6	-2.500 [*]	.486	.002	-3.689	-1.311
10	7	-2.083 [*]	.363	.001	-2.972	-1.195
	8	-1.583 [*]	.276	.001	-2.260	-.907
	10	2.833 [*]	.874	.018	.695	4.972
	1	12.250 [*]	.878	<.001	10.102	14.398
	2	11.417 [*]	.829	<.001	9.388	13.446
	3	-1.333	.957	.213	-3.676	1.009
	4	-4.500 [*]	.755	<.001	-6.346	-2.654
	5	-5.417 [*]	.520	<.001	-6.690	-4.143
	6	-5.333 [*]	.612	<.001	-6.832	-3.835
	7	-4.917 [*]	.939	.002	-7.215	-2.619
	8	-4.417 [*]	.946	.003	-6.733	-2.101
	9	-2.833 [*]	.874	.018	-4.972	-.695

Based on estimated marginal means

*. The mean difference is significant at the .05 level.

b. Adjustment for multiple comparisons: Least Significant Difference (equivalent to no adjustments).

Multivariate Tests

	Value	F	Hypothesis df	Error df	Sig.	Partial Eta Squared
Pillai's trace	.996	40.421 ^a	6.000	1.000	.120	.996
Wilks' lambda	.004	40.421 ^a	6.000	1.000	.120	.996
Hotelling's trace	242.525	40.421 ^a	6.000	1.000	.120	.996
Roy's largest root	242.525	40.421 ^a	6.000	1.000	.120	.996

Multivariate Tests

	Noncent. Parameter	Observed Power ^b
Pillai's trace	242.525	.325
Wilks' lambda	242.525	.325
Hotelling's trace	242.525	.325
Roy's largest root	242.525	.325

Each F tests the multivariate effect of Altitude. These tests are based on the linearly independent pairwise comparisons among the estimated marginal means.

a. Exact statistic

b. Computed using alpha = .05