Motorcycle Crash Data Analysis to Support Development of a Retrofit Concrete Barrier System for Freeway Ramps (TTI-Student-04) Dataset

Dataset available at: https://doi.org/10.15787/VTT1/GCERVA

(This dataset supports report **Motorcycle Crash Data Analysis to Support Development of a Retrofit Concrete Barrier System for Freeway Ramps,** http://hdl.handle.net/10919/95181**)**

This U.S. Department of Transportation-funded dataset is preserved by the Virginia Tech Transportation Institute (VTTI) in their data repository (https://dataverse.vtti.vt.edu/), and is available at https://doi.org/10.15787/VTT1/GCERVA

The related final report **Motorcycle Crash Data Analysis to Support Development of a Retrofit Concrete Barrier System for Freeway Ramps**, is available from the National Transportation Library's Digital Repository at https://rosap.ntl.bts.gov/view/dot/61489

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Title: Motorcycle Crash Data Analysis to Support Development of a Retrofit Concrete Barrier System for Freeway Ramps (TTI-Student-04)

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Description:

- Project Description:
  - Analysis of fatal and suspected serious injury one motor vehicle motorcycle crashes occurring on Texas public roadways involving flyovers, connectors and curves during the years of 2014 to 2016.
- Data Scope:
  - Texas Department of Transportation (TxDOT) Crash Records Information System (CRIS) data related to 30 flyover/connector crashes and 675 curve related crashes with the following criteria:
    - Fatal or suspected serious injury crashes;
    - Crashes involving a single motor vehicle (specifically a single motorcycle);
    - Crashes occurring on a flyover, connector or curve; and
    - Crash occurred during the years 2014 to 2016
- Data Specification:
  - CRIS data specifications are available online at https://www.txdot.gov/government/enforcement/data-access.html

Subject: Engineering

Keyword: Motorcycle Safety, Impact, Curves, Flyover, Connectors, Standards, Protocols, Testing
Related Publication: https://www.vtti.vt.edu/utc/safe-d/index.php/projects/motorcycle-crash-data-analysis-to-support-development-of-a-retrofit-concrete-barrier-system-for-freeway-ramps/
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Dataset description:
This dataset contains 1 file collection, described below.

Motorcycle Crash Data Analysis to Support Development of a Retrofit Concrete Barrier System_Data.zip

- Texas -KA Flyover Injuries.pdf
- Texas -Fatalities on Curves.pdf
- Houston – KA Flyover Injuries.pdf
- Dallas -KA Flyover Injuries.pdf
- Austin -KA Flyover Injuries.pdf
- 20170713 MC Crash data for summer analysis.xlsx

File Type Descriptions:

- The .xlsx and .xls file types are Microsoft Excel files, which can be opened with Excel, and other free available software, such as OpenRefine.
- The .pdf file format is an Adobe Acrobat Portable Document Format (PDF) file and can be opened with the Adobe Acrobat software.

National Transportation Library (NTL) Curation Note:
As this dataset is preserved in a repository outside U.S. DOT control, as allowed by the U.S. DOT's Public Access Plan (https://doi.org/10.21949/1503647) Section 7.4.2 Data, the NTL staff has performed ***NO*** additional curation actions on this dataset. NTL staff last accessed this dataset at https://doi.org/10.15787/VTT1/GCERVA on 2022-04-27. If, in the future, you have trouble accessing this dataset at the host repository, please email NTLDataCurator@dot.gov describing your problem. NTL staff will do its best to assist you at that time.