

Causes and effects of Collisions on US Roadways

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library(tidyverse)
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-- Attaching core tidyverse packages ----- tidyverse 2.0.0 --
v dplyr      1.1.4      v readr      2.1.5
v forcats    1.0.0      v stringr    1.5.1
v ggplot2    3.5.1      v tibble     3.2.1
v lubridate  1.9.3      v tidyr      1.3.1
v purrr      1.0.2
-- Conflicts ----- tidyverse_conflicts() --
x dplyr::filter() masks stats::filter()
x dplyr::lag()     masks stats::lag()
i Use the conflicted package (<http://conflicted.r-lib.org/>) to force all conflicts to become
```

```
library(here)
```

here() starts at /home/brycee/_School/456-MATH-Statistical-MethodsII/group

Problem Statemnt/Research questions

- What sort of prim__cause have the worst outcomes (total__injuries or most__severe__injury)?
- What conditions were most associated with first_crash_type=PEDESTRIAN.
- Which hours were most associated with total__injuries.
- Does a day being a holiday/celebration affect the instances of crashes that day?
- Is there a correlation between road condition and damage?

Methods:

- Please see file 'data/traffic-cleaning.qmd' for a link to the data source, the work done on data cleaning, and methodology.

Group Member and contributions - Samuel Geddie 20% - Bryce Emery 80%