

New Zealand Crash Data

Jiří Moravec

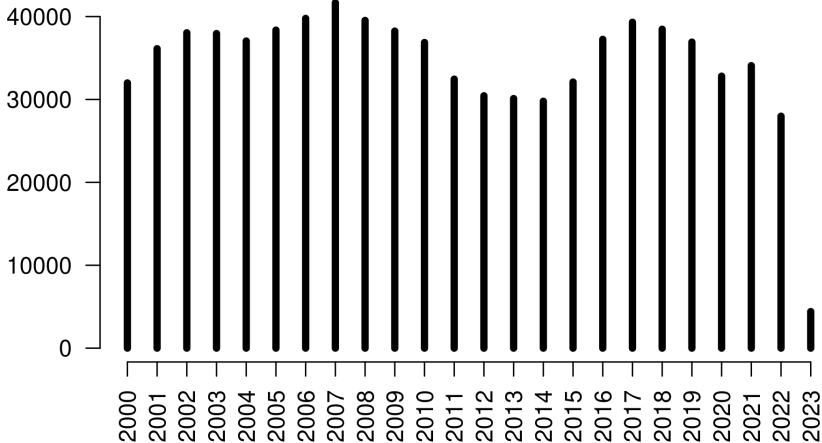
Exploratory Data Analysis

- full exploration of NZ Crash Data
- univariate and some bivariate relationships
- small modelling for relationship of interest
- code: <https://github.com/j-moravec/CrashDataEda>
- used CSV, but plugging REST API is not an issue

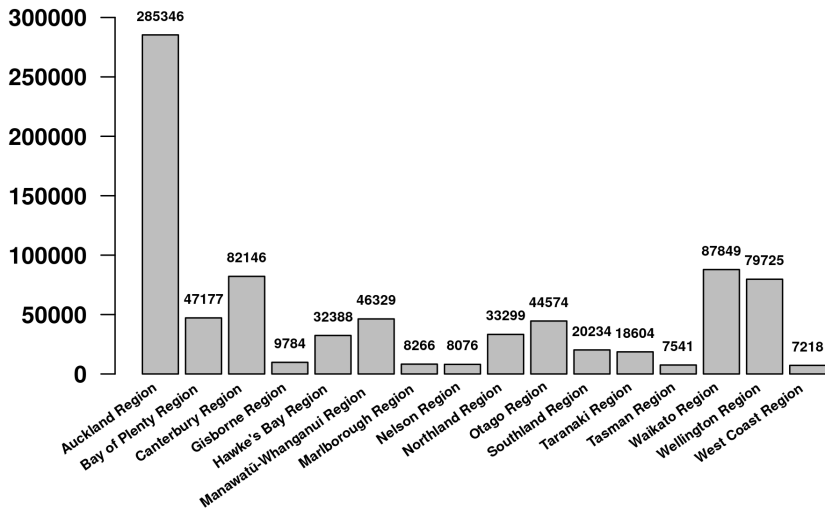
Limitations:

- No expert / key available
- Limited time

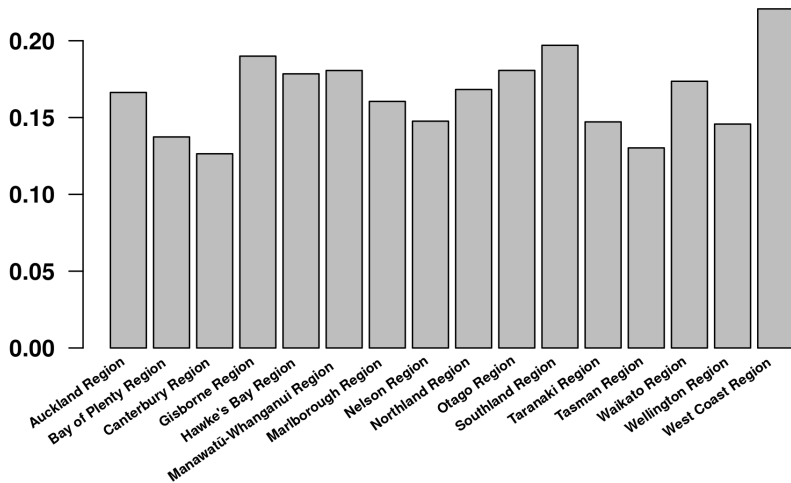
Number of crashes through time



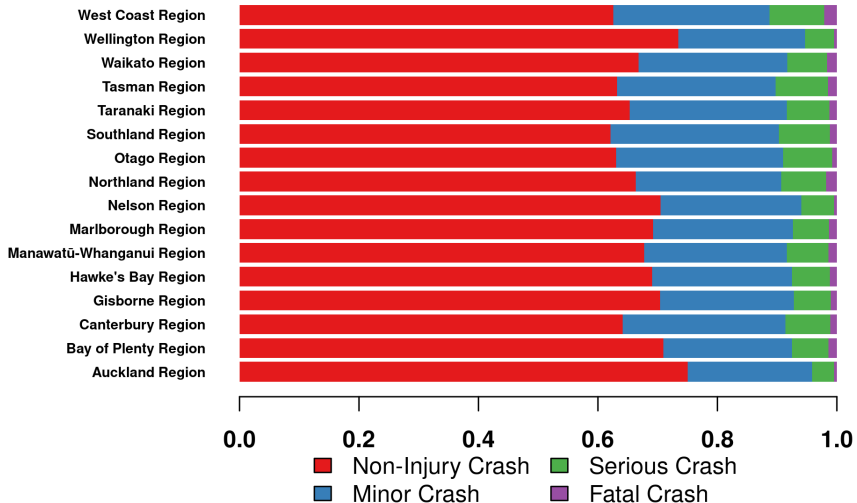
Crashes in across regions



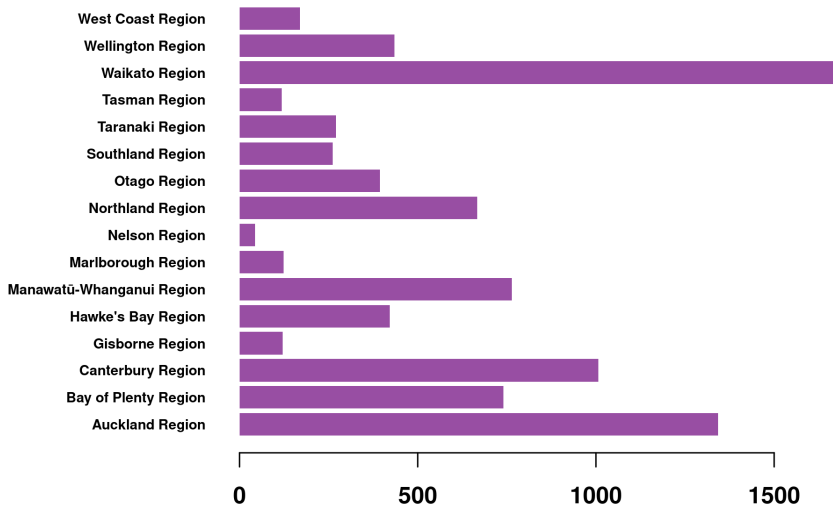
Crashes across regions normalized by population



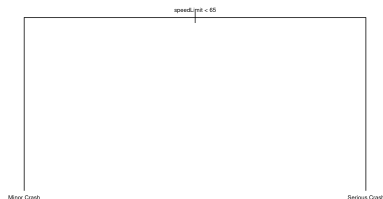
Severity of crashes



Total crash fatalities



- Variable: Crash severity
- Used models: CART, RandomForest
- Result: Failure



Weather during accidents

