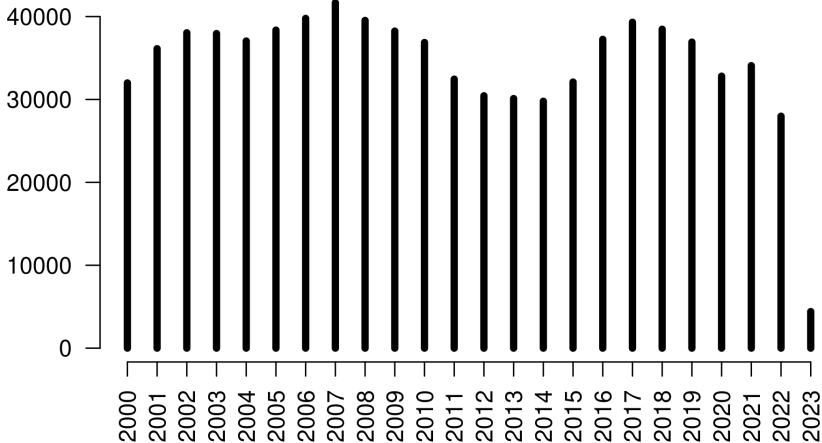# New Zealand Crash Data

Jiří Moravec

Exploratory Data Analysis

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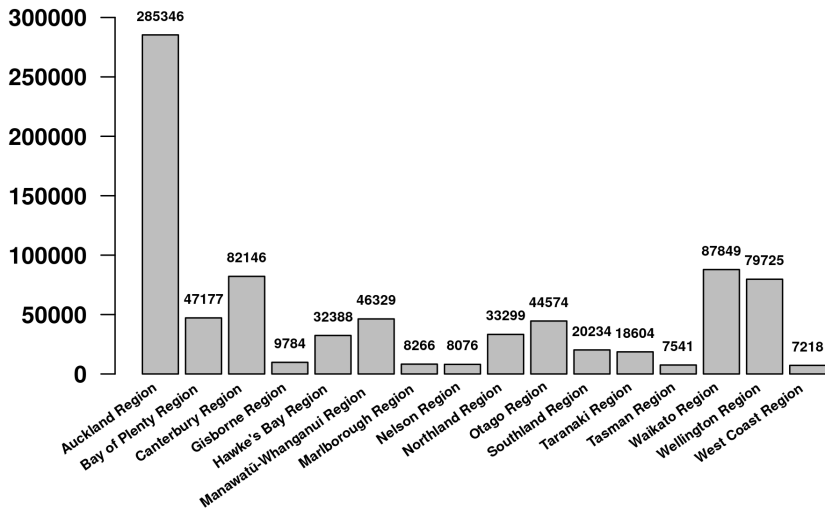- used CSV, but plugging REST API is not an issue

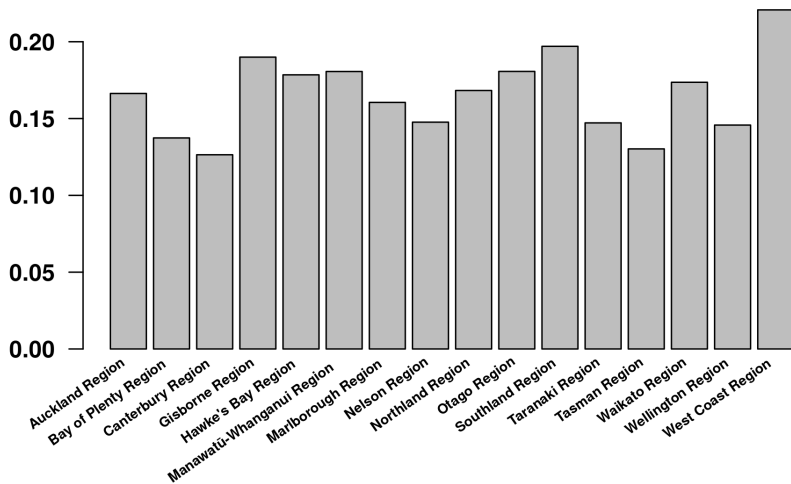Limitations:

- No expert / key available
- Limited time

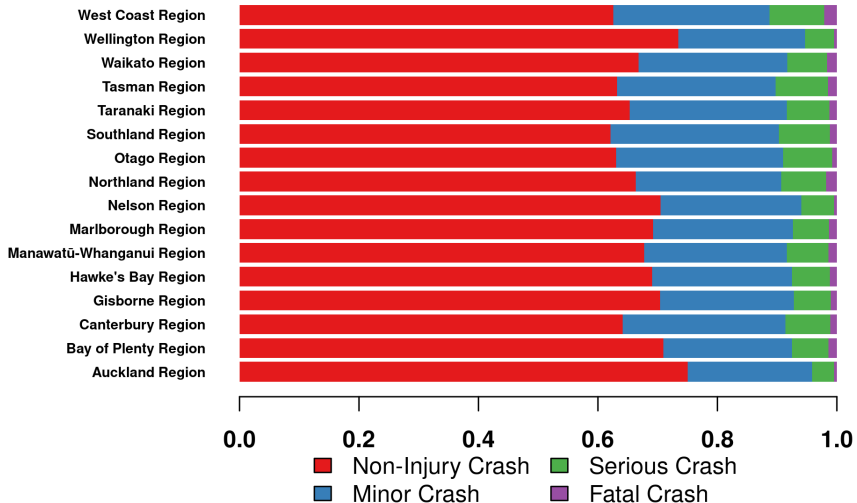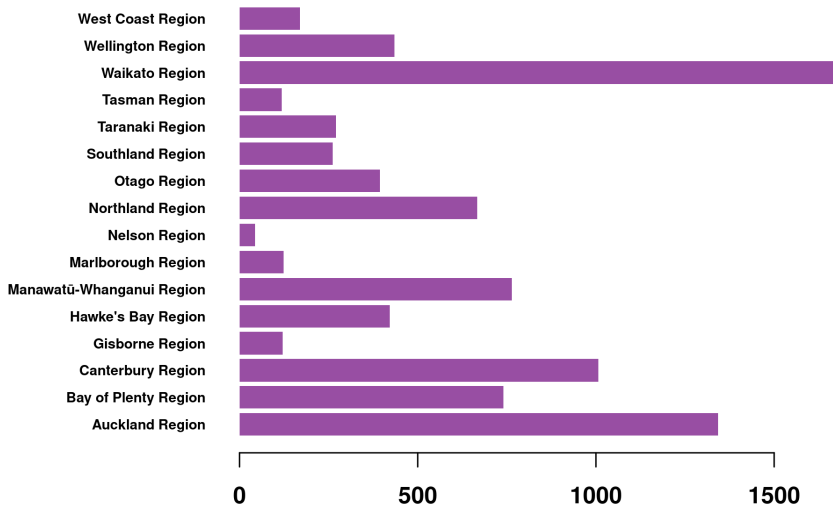# Number of crashes through time

Crashes in across regions
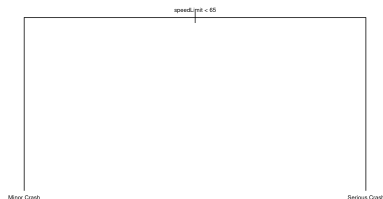
Crashes across regions normalized by population

Severity of crashes

Total crash fatalities

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

speedLimit < 65

Minor Crash

Serious Crash

Weather during accidents

Region	Fine	Light rain	Heavy rain	Mist or Fog	Hail or Sleet	Snow

West Coast Region
Wellington Region
Waikato Region
Tasman Region
Taranaki Region
Southland Region
Otago Region
Northland Region
Nelson Region
Marlborough Region
Manawatū-Whanganui Region
Hawke's Bay Region
Gisborne Region
Canterbury Region
Bay of Plenty Region
Auckland Region

0.0   0.2   0.4   0.6   0.8   1.0

Legend: Fine, Light rain, Heavy rain, Mist or Fog, Hail or Sleet, Snow