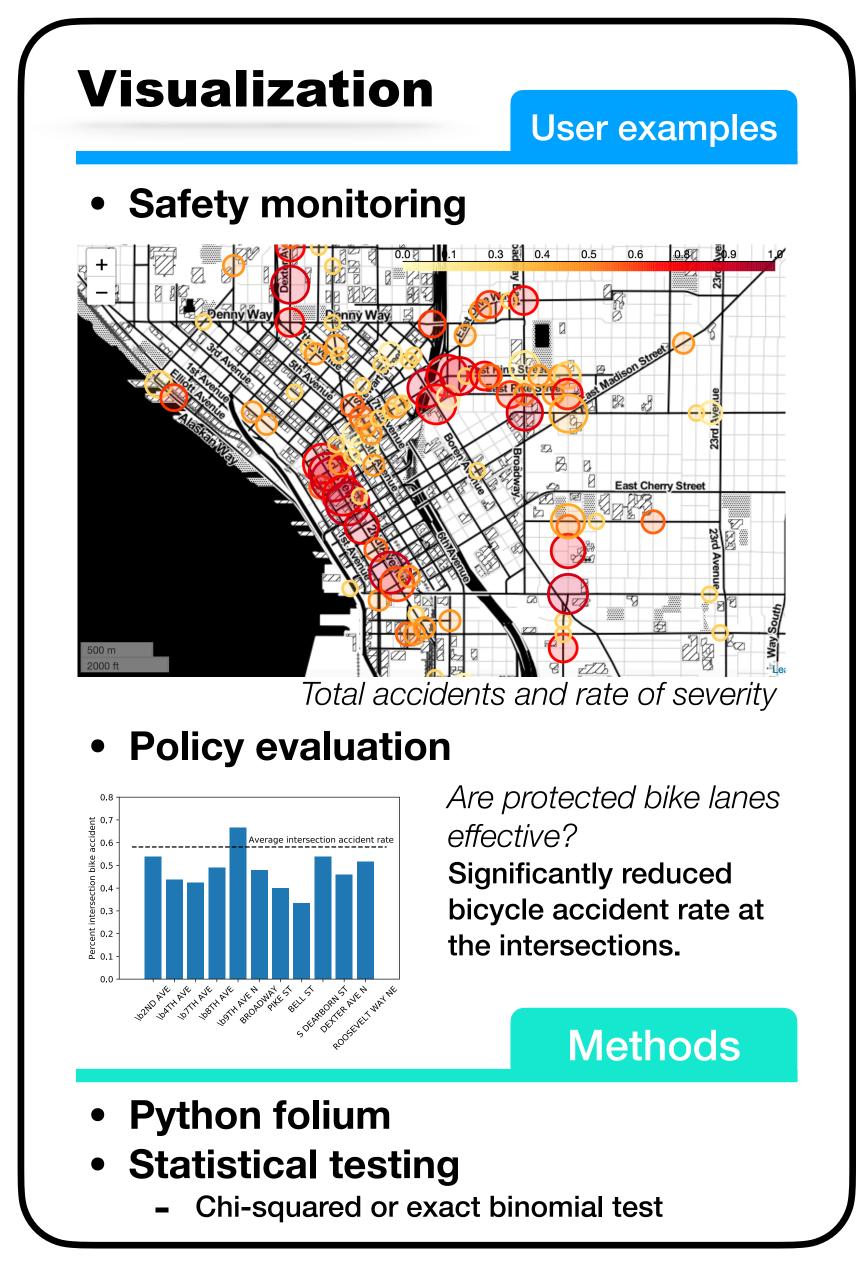
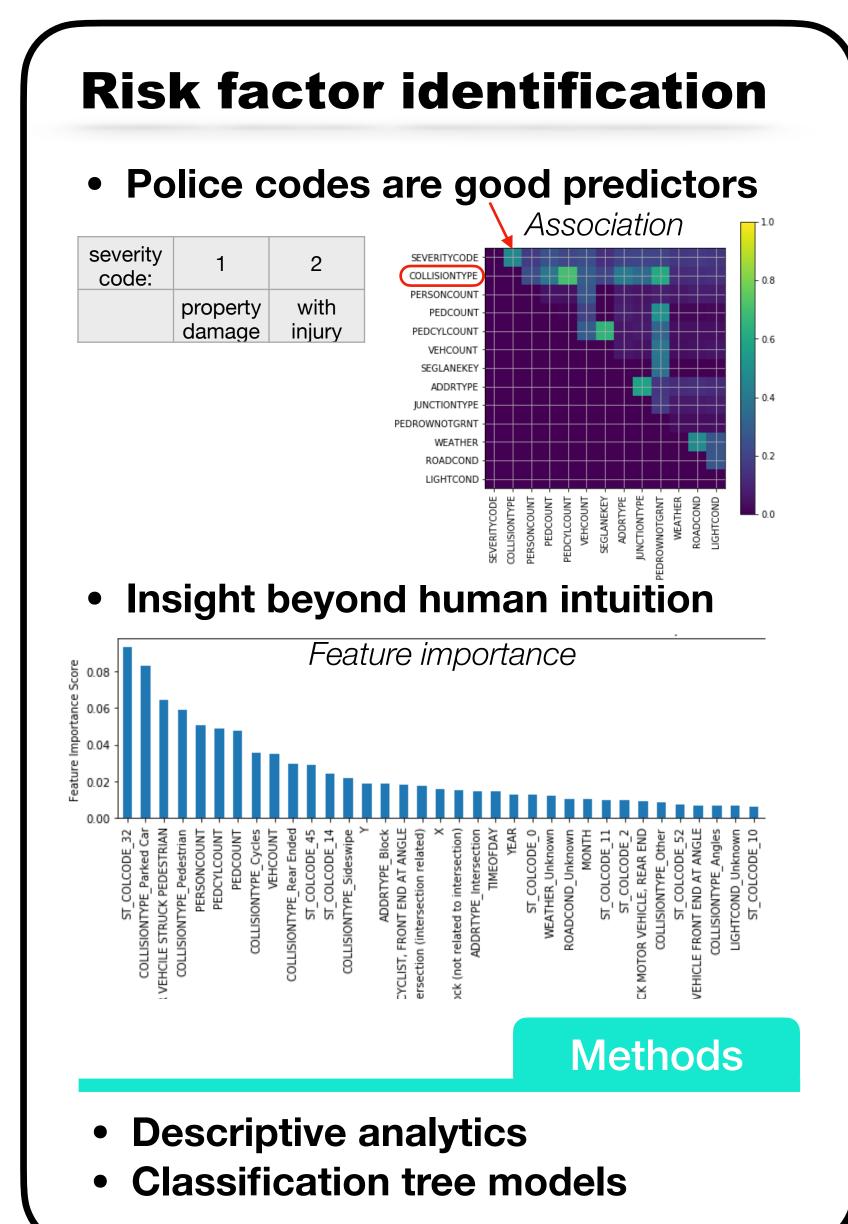
## Severity prediction of traffic accidents in the City of Seattle





## Where to install the next protected bike lane?

User's goal

- Maximize safety
  - Bicycle traffic volume (Strava app)
  - Function to predict a safety index
- Maximize value
  - Real estate and small business
- Within a budget constraint



Strava riding data for bicycle volume estimation

Methods

- Regression
- Optimization