

Group Proposal

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11/7/2019

Project 1 - PPB Response Times

Question: Can we predict response times to Portland Police calls based on location, population density, neighborhood race and income characteristics, and call type?

This is a regression and prediction problem. We would use the publicly published data from the PPB as well as census data. <https://www.portlandoregon.gov/police/76454>

Project 2 - Oregon Campaign Donations

Question: Can we predict candidate incumbency, longevity in office, and partisanship based on amount donated to their campaigns?

This is a classification and regression problem with prediction. We would use data from the OreStar campaign finance website. <https://secure.sos.state.or.us>

Project 3 - The Formula 1 Championship

Question: Can we predict a driver or team's likelihood of winning the driver's or constructor's championships based on the number of points they have earlier in the season?

This would be a regression and prediction problem. We would use the Ergast Developer API, a database of Formula 1 statistics going back to the beginning of the championship in 1950. <http://ergast.com/mrd/>