

COVID-19 Cases in King County, Washington

Ericka Smith

ST623 Generalized Regression Models

Fall 2020

Project Proposal

Overview

I have chosen option 1 – Find your own dataset and analyze the data using generalized regression models.

Data

I will be using COVID-19 data provided by King County in Washington for my analysis. It is available at this website: <https://www.kingcounty.gov/depts/health/covid-19/data/daily-summary.aspx>

I will specifically be investigating daily positive case counts.

Analysis

I expect that I will be using either a quasi-Poisson or a negative binomial regression model, though there is the possibility that the dispersion of the data will satisfy the assumptions for Poisson regression. I will need to begin investigating the data to decide for sure.