

GRAYSON WHITE

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3203 SE Woodstock Blvd, Portland, OR 97202

EDUCATION

Reed College, Portland, OR

August 2017 - Present

B.A. in Mathematics with a Concentration in Statistics

Division of Mathematical and Natural Sciences

PROJECTS

[Baseball VisualizeR: A Baseball Data Visualization Project](#)

A `shiny` application created as a final project for Math 241: Data Science. This project uses advanced data visualization and data acquisition techniques to allow for insightful visualizations to be made from the user end of the `shiny` application.

[trimetStops](#)

An R data package containing data on the Tri-County Metropolitan Transportation District of Oregon bus and MAX line stops.

RELEVANT WORK & TEACHING EXPERIENCE

Data Science for the Public Good Undergraduate Researcher

June 2020 - August 2020

Oregon State University

(Incoming)

- Paid internship at Oregon State University in Corvallis, OR. Developed forecasting tools for cost analysis of water and wastewater facilities in Oregon small towns and cities. Provided city planners with data driven solutions for planning long term development and financial investments.

Statistics Tutor

January 2020 - May 2020

Reed College

- Worked as a tutor holding weekly study sessions for Math 141: Introduction to Probability and Statistics at Reed College. Provided students with the help needed to answer questions regarding probability and statistics along with questions regarding programming in R.

TECHNOLOGIES & TECHNICAL SKILLS

Technologies:

R

Highly proficient. Experience with the following packages:

Data Visualization:

`ggplot2`, `plotly`, `leaflet`, `sf`, `ggmap`, `gganimate`

Data Tidying:

`dplyr`, `tidyr`, `forcats`, `lubridate`, `stringr`, `plyr`

Package Development:

`devtools`, `roxygen2`, `usethis`

Data Scraping & API Interaction:

`httr`, `rvest`

Other:

`shiny`, `tidyverse`, `infer`, `glue`, `tidytext`, `purrr`, `readr`, `rmarkdown`

SQL

Experience with MySQL Server

Git
L^AT_EX

Technical Skills:

Data Visualization Using **tidyverse** data visualization packages. Skills include interactive data visualizations and creating interactive applications with **shiny**.

Statistical Analysis Multiple Regression. Statistical tests such as t-tests, chi-squared tests, etc. Experience with statistical modeling and learning. Econometric analysis.

RELEVANT COURSEWORK

*Parentheses indicate courses in progress or to be taken before completion of degree.

Statistics:

Introduction to Probability and Statistics, Data Science, (Statistical Learning), (Advanced Statistical Modeling), Probability, Mathematical Statistics

Mathematics:

Calculus, Introduction to Analysis, Discrete Structures, Linear Algebra, Vector Calculus, Number Theory, Abstract Algebra, (Real Analysis)

Economics:

Introduction to Economic Theory, Econometrics

Computer Science:

(Introduction to Computer Science)

EXTRA-CIRRICULAR

Member & Secretary of Reed Statistics and Data Science Club

Reed College Men's Basketball Team – Starting Guard

REFERENCES

Please contact me for a reference list.