

ALEX BASS

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EDUCATION

University of Virginia

Master of Science: Data Science

Expected Apr 2023

Washington, DC

Brigham Young University

Bachelor of Arts: Political Science

Minor in Political Research and Data Analysis

Apr 2020

Provo, UT

EXPERIENCE

Morning Consult

Senior Data Analyst

Nov 2021-Present

Washington, D.C.

- Led project to build a Python Web Bot (Selenium) to automate generation of test cases in surveys, contributed this to data science code base (used by 60+ data scientists), saving company \$10,000s in time and errors.
- Created daily data analysis deliverables for Fortune 500 clients using R.

Echelon Insights

Research Analyst

April 2020-Nov 2021

Washington, D.C.

- Led in modeling projects predicting election turnout for entire U.S. in 2022, phone response rates, etc.
- Wrangled, cleaned, weighted, or made presentations for 60+ survey datasets with R, SQL, and AWS
- Using R Shiny, built a codeless-crosstab tool for company's research team
- Programmed 40+ surveys using Alchemer/Survey Gizmo

Center for the Study of Elections and Democracy

Undergraduate Research Fellow

Dec 2018-April 2020

Provo, UT

- Mentored 60+ students in solving econometrics problems in weekly office hours
- Designed and executed multiple survey experiments in original research projects
- Visualized data using R creating 50+ informative figures for the AFS official report, news outlets, and professor's projects

PERSONAL PORTFOLIO PROJECTS

Weekly COVID Email Update

November 2021

- Fully automated workflow (Github Actions) taking latest CDC data, transforming into visualizations, and sending informative email every Saturday morning to subscribers made in R.
- Customizable providing data to each subscriber's home state

US 2020 Election Model

November 2020

- Generated daily simulation based on a series of one sample t-tests from each state's 5 latest polls
- Created 3 visualizations displaying daily results that ran on script

Word Search Puzzle Generator

July 2020

- Built Shiny App that generates wordsearch puzzle and key
- Downloadable as csv for distribution