Samuel Carlyle Morgan

Phone: 704-564-1224 | Email: s.c.morgan@columbia.edu | Web: s-c-morgan.github.io/

PROFICIENCIES

R (Advanced) Python (Intermediate) Java (Intermediate) Tableau (Intermediate) SQL (Intermediate) QGIS (Novice)

EDUCATION

Columbia University in the City of New York   **New York, NY**
Bachelor of Arts, Statistics and Mathematics, Economics; GPA: 3.65   Exp. May 2023

Myers Park High School   **Charlotte, NC**
High School Diploma; GPA: 3.96   Jun. 2019
International Baccalaureate Diploma Recipient; National Merit Scholar Finalist

WORK EXPERIENCE

Columbia University Economics Department   **New York, NY**
Research Assistant   Jan. 2020 –
- ❖ Cleaned and extracted text data from non-standardized wage documentation using OCR software and R for Prof. Miguel Urquiola.
- ❖ Researched and compiled relevant data from the U.S. Census Bureau for regression analysis in R.

Teaching Assistant   Sept. 2021 –
- ❖ Helped teach Intermediate Macroeconomics for Prof. Xavier Sala-i-Martin. Created and taught weekly recitations for 20+ students and helped grade course assignments.

Columbia University Statistics Department   **New York, NY**
Summer Research Intern   Apr. 2020 – Sept. 2021
- ❖ Conducted research on spectral clustering algorithms for community detection in directed networks with a focus on equivalence to random walks. Supervised by Professor Tian Zheng.
- ❖ Used R to test the stability of new clustering algorithms using the igraph package

Washington Metro Area Transit Authority   **Washington, DC**
Intern in the Office of Management Audits, Risk and Compliance   Jun. 2020 – Aug. 2020
- ❖ Worked in a client-facing role to help build Audit and Enterprise Risk Management software from the ground up using RSA Archer, completing unit testing and resolving defects in IBM's Jazz Suite

Vera Institute for Justice – The Guardianship Project   **New York, NY**
Data and Policy Intern   Jan. 2020 – April 2020
- ❖ Wrote custom R scripts using stringr and other text-mining packages to clean and combine existing client data that had frequently missing, misspelled, or outdated information
- ❖ Used R's leaflet package, opensource GIS shapefiles, and client address data geo-encoded through the Google Maps API to create choropleth maps for use by management and potential donors

Dan McCready for Congress   **Charlotte, NC**
Data and Policy Intern   May 2019 – Aug. 2019
- ❖ Created, managed, and queried a Microsoft SQL server to host and report on millions of observations of historical campaign finance data. Aggregated and visualized data using Tableau.

EXTRACURRICULARS

Journal of Politics and Society   **New York, NY**
Senior Editor   Sept. 2019 –

Columbia Economic Review   **New York, NY**
Senior Editor   Sept. 2020 –