

Matthew Cleveland

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SUMMARY

Data Analyst & Engineer with 1.5 yrs experience. UC Berkeley graduate with honors in Economics and awards in Advanced Econometrics. Passionate about applying data science, data analysis, programming, and economic analysis to predicting, solving complex economic, and societal questions.

SKILLS

Skills: SQL, R, Python (Numpy, Pandas, SciPy, matplotlib), Golang, Excel, Data Analysis, Data Cleaning, Statistical Analysis, Econometrics.

WORK EXPERIENCE

SOLID | San Mateo, CA

Jan 21 - Present

Data Analyst & Data Engineer

- B2B Embedded Banking Platform Product: Developed data consumers to stream financial transactions from blockchain immutable ledger to a Postgres database.
- Data Analytics: Designed and developed ETL pipelines and automatic reporting system used by operations, engineering, finance and management. System features included monthly client billing reports, dashboards, ad hoc reporting, interactive reports, KPIs and visualizations.

BlueBonnet Data | Cambridge MA

Jul 20 - Jan 21

Political Data Fellow

- Core member of data team for campaign of Florida State Representative, District 26. Researched district demographics and voting patterns. Analyzed phone banking success rates across district to prioritize in-person outreach.
- Created interactive data map using machine learning cluster algorithms to group voter locations. Mapped voter location density to create efficient voter canvassing paths.
- Wrote program for python library to geocode large sets of address data. Used by 6 campaigns nationwide with estimated savings of \$1,000 per campaign.

EDUCATION

University of California, Berkeley

Dec 2019

BA, Economics, Honors (GPA 3.6)

Coursework Included:

- Mathematics: Statistics, Probability, Multivariate Calculus, Linear Algebra, Differential Equations, Real Analysis.
- Data Science: Python, Computer Programming, Data Science Methods & Principles.
- Economics: Applied Econometrics, Research Techniques, Behavioral Finance, Macroeconomics, Economic Public Policy (Great Depression to Great Recession).

Honors Thesis

Developed model of pricing discrimination for minorities using rideshare transportation. Compared pricing patterns between taxi and Uber rides in neighborhoods of Chicago.

(See [Github](#))

EDUCATION cont'd

Awards/Achievements:

- 1st Place in Advanced Econometrics competition (200 students). Developed/trained mathematical model to predict infant rehospitalization, achieving 93% accuracy. Created data visualizations, then adopted by Prof. David Card (recipient of 2021 Nobel Memorial Prize in Economics) for teaching highest upper division Econometrics course.

INDEPENDENT PROJECTS:

- Economic Research & Analysis: Developed predictive model, analyzed relationship between growth in Uber drivers and traffic fatalities. Collected, cleaned and structured data. (See [Github](#))
 - Discovered -0.1-0.4% increase in fatal accidents per 100k residents per 100 additional Uber permits. This finding is an upper bound on the true effect Uber has on fatal accidents.
 - Developed, tested and debugged software programs using Python Pandas (self-taught).