Klint Mane

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Education

University of Rochester Rochester, NY
Ph.D. in Economics, Advisor: Lisa B. Kahn *Aug. 2018 – May 2023*

University of Rochester Rochester, NY
Master of Arts: Economics *Aug. 2018 – Aug. 2020*

Bilkent University Ankara, Turkey
Bachelor of Arts: Econometrics And Quantitative Economics, GPA: 3.93/4.00 *Aug. 2014 – May 2018*

Experience

Economist/Data Scientist Dec. 2021 – Mar. 2023
Health and Environmental Economics Lab (HEEL) *Rochester, NY*

- Lead team of 11 to successfully respond to 4 quarterly research queries from NIH as part of the RECOVER Initiative (Researching COVID to Enhance Recovery)
- Created and assigned research tasks effectively to team members
- Tasked with characterizing risk factors associated with Long-COVID and investigating the effectiveness of long-COVID treatments
- Conducted research on the impact of COVID on substance use disorder in the US
- Analyzed billions of rows of confidential patient-level data using Python and Pyspark

Summer Economist Jun. 2022 – Aug. 2022
Keystone Strategy *New York City, NY*

- Supported the report of the testifying economics expert
- Used economic theory models to show monopolistic behavior against client firm
- Proposed new statistical analysis to assess the causal impact of the policy of interest
- Investigated and replicated decisions made by outlier detection model using Python with accuracy larger than 80%
- Established evidence of flaws in the outlier detection model using statistical analysis

Data Science Intern Jun. 2021 – Aug. 2021
Overdrive Interactive *Boston, MA*

- Used supervised and unsupervised machine learning models to automatically categorize keyword searches of a Fortune 50 company with 95% accuracy on test data
- Used Facebook Prophet to forecast future search volume based on historical Pytrends data
- Built an app using Streamlit and Github in order to deploy the algorithms written in Python
- The algorithm allows the inclusion millions of keyword searches into their analysis leading to improved insights and 20+ hours per week saved previously spent on manual categorization

Research Assistant/Economist Jun. 2019 – Sept. 2020
University of Rochester *Rochester, NY*

- Big Data project involving +1TB of data from millions of firms, their job postings and skills required for each job post
- Developed a fuzzy matching algorithm in Stata and Python that matches firm names in the study with firm names in job postings collected by Burning Glass Technologies (BGT) with 90% accuracy rate

Research

"High-Tech Clusters, Labor Demand, and Inequality: Evidence from Made in China 2025"

- Difference in difference event studies, propensity score matching and spillover effects analysis applied to estimate the casual effect of "Made in China 2025" policy on job postings, wages, rents and firm entry

"Top Executives and Hiring: Evidence from Vacancy Postings"

- Used fixed effects models and event study analysis to show the impact top executives have on hiring in public firms in the US

"Risk Factors Associated with Post-Acute Sequelae of SARS-CoV-2 in an EHR Cohort: A National COVID Cohort Collaborative (N3C) Analysis as part of the NIH RECOVER program"

- Used logistic regressions as well as machine learning to identify risk factors associated with Long-COVID

Technical Skills

- **Proficient in:** Python, Stata, Microsoft Office
- **Familiar with:** PySpark, SQL, R, Matlab
- **Technical Toolkit:** Linear and Logistic regression, Difference in Difference, Event Studies, Regression Discontinuity Design, Propensity Score Matching, Instrumental Variables, K-Nearest Neighbors, K-Means Clustering, Decision Tree, Random Forest, Hypothesis Testing, Randomized Control Trials, A/B Testing