

Sameer Sarkar

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PROFILE

Senior Data Analyst with extensive industry experience in for-profit and non-profit entities. Expertise in data wrangling, visualization and translation of complex technical concepts to non-technical stakeholders, colleagues, and clients

Technical Skills: Mastery: R (Shiny, ggplot, webscraping, flexdashboard) and SQL; Experience: PowerBi, Python, QGIS, SAS

ANALYTICS EXPERIENCE

McGuireWoods LLP

Richmond, VA

Leading law firm providing legal and public affairs solutions to corporate, individual and nonprofit clients worldwide

Data Scientist

February 2021 – May 2021

- Leveraged machine learning to replace fee estimate model for M&A cases; improved fee estimate accuracy by 15%
- Created economic model to quantify damages related to employment litigation

Boston Medical Center - Population Health Strategy Team

Boston, MA

Hospital division that manages initiatives designed to improve revenue and patient outcomes

Senior Population Health Analyst

July 2019 – June 2020

- Created machine learning model in R that measured likelihood of qualifying for disability for over 150,000 patients using all available past inpatient and outpatient visits over the past 10 years
- Identified \$10-12 million in potential revenue for hospital; provided life-changing sources of income for patients
- Created automated dashboard in R tracking efficacy of hospital complex care management teams for high-risk patients

Cornerstone Research

Boston, MA

Consulting firm that provides economic, financial, and statistical analyses for commercial litigation

Senior Analyst

July 2018 – May 2019

- Used machine learning techniques in R to analyze over 3,000 stock options in order to assess market efficiency for case surrounding a \$50 billion merger
 - Exposed incorrect statistical assumptions made by opposing expert which negated key arguments in his report
 - Led team of three analysts in conducting analysis for and drafting a rebuttal report for filing in court
- Elected Analyst Representative by peers to advocate for the interests of approximately 50 analysts
 - Organized and led regular meetings between analysts to gather feedback
 - Coordinated monthly meetings with senior management to communicate analyst suggestions.
- Managed over ten analysts as analyst lead of firm's Valuation Working Group
 - Created analyses using R and Excel with goal to understand trends and outcomes of stock appraisal cases
 - Aided in drafting of industry publication utilizing the results of analyses

Analyst

September 2016 – June 2018

- Identified key statistical errors in bootstrapping methodology of opposing expert report submitted in support of \$700 million residential mortgage-backed security case
 - Created intuitive charts using R that visualized the impact of these errors, used as exhibits in court
 - Presented findings to case manager, client, and expert
- Created program in R that simulated estimated wait time of rideshare customers for regulation case
 - Created heatmaps in R that visualized the distribution of potential rideshare customers and rideshare vehicle trips
 - Estimated trip cost of rideshare vehicles in R by analyzing over 85 million observations of vehicle trip data

EDUCATION

Brown University

Providence, RI

Bachelor of Arts in Mathematics-Economics Magna Cum Laude, with Honors (3.96 GPA)

Class of 2016

Honors: Phi Beta Kappa; United States Presidential Scholar (personally recognized by President Obama)

OTHER EXPERIENCE

Stats with Sasa

Founder, Researcher, Writer

January 2020 – Present

- Utilize statistics and machine learning methods to analyze topics ranging from Current Events to Sports. Articles are catered to a non-technical audience
- Blog has over 25,000 lifetime views and has been featured on the top page of various subreddits multiple times

Tutor/Mentor

Richmond, VA

Teach statistics and R, to PhD, grads, and undergrads. Approx. 50+ clients; perfect 5-star rating

June 2022 – Present