Mohini Vembusubramanian

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EXPERIENCE

Analysis Group, Los Angeles, CA — *Analyst*
September 2018 - PRESENT
- Supported expert testimony in litigation and the launch, approval, and market access of drugs for pharmaceuticals by developing case strategy and executing statistical analyses in R, SAS, and SQL
- Benchmarked mutual fund performance and expenses against peer funds based on characteristics such as classification, assets under management, and investment strategy to prove client's at-issue funds were appropriate investment options
- Determined health resource utilization and costs for patients with bladder cancer, hemophilia A and sickle cell disease using IBM MarketScan, Medicaid, and SEER-Medicare claims data to highlight disease burden and market opportunity for client's drug
- Used inverse probability weighting and bootstrapping methods to highlight improved health and economic outcomes when the client's drug was used to prevent disease progression in patients as compared with existing treatment options in the market
- Evaluated impact of marketing program for casino hotel using player and hotel database by combining data from player gaming, coupon tracking, hotel stay detail, and player demographic tables using SQL and R database analysis packages
- Conducted event study regressions to determine the effect of company news disclosures on stock prices adjusting for the impact of the market and industry comparators
- Built interactive R Shiny dashboards summarizing results of analyses
- Led teams of analysts on multiple cases, and conducted R training classes for 20+ newly hired Analysts

Unum, Worcester, MA — *Business Development Intern*
June 2017 - August 2017
- Worked with business strategy team to design software implementation strategy for disability insurance company to get ahead of potential industry disruption and competitive threats
- Analyzed sales, claims, and broker data to identify areas of opportunity for business growth

CoachUp, Boston, MA — *Client Experience Intern*
June 2016 - August 2016
- Analyzed efficacy of client and coach interactions for online private coaching platform
- Trained and worked with outbound sales team achieving run rate of $10,000 revenue each week

Rumi Spice, Cambridge, MA — *Operations Intern*
June 2015 - August 2015
- Supported social enterprise start-up importing Afghan saffron with customer outreach, marketing, and day-to-day operations
- Led marketing efforts and managed event logistics of Rumi Spice's presence and exhibition booth at Specialty Food Show in New York City (June 2015)

EDUCATION

University of California, Los Angeles — *Economics B.A., Statistics B.S.*
September 2014 - June 2018
GPA: 3.85/4.00, Magna Cum Laude

SKILLS

Technical: R (proficient), SAS (proficient), Excel (proficient), SQL (intermediate), VBA (intermediate), Python (intermediate), HTML (intermediate), Tableau (intermediate)

Research Tools: Capital IQ, Thomson Reuters, Compustat, Bloomberg, Lipper, Morningstar