DANIEL P. MARTIN

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PROFESSIONAL AND RESEARCH EXPERIENCE

Boston Medical Center and HealthNet Plan, Boston, MA
Data Scientist   April 2019 – Present
- Create custom modeling approaches using healthcare claims and EMR data to improve the strategic targeting of patients for a number of care management initiatives across the hospital and healthplan
- Conduct program evaluation for these interventions, using experimental and quasi-experimental designs
- Leverage publicly available data sources in addition to an internal survey framework to better support strategies of care for patients with social determinants of health

McKinsey & Company Organizational Solutions, Waltham, MA
Lead Data Scientist   June 2017 – April 2019
- Translated analytical findings to actionable insights, presenting results to client roles ranging from individual contributors in HR to the executive team
- Designed and delivered training for clients interested in starting or developing their people analytics function
- Oversaw growth of the People Analytics team in Waltham from one (myself) to fourteen, standardizing the recruiting, hiring, and onboarding processes along the way
- Promoted June 2017; still performing data science work in addition to leadership responsibilities described above

Senior Data Scientist   September 2015 – June 2017
- Built robust modeling pipelines in R for supervised (regularized regression, random forests, boosting) and unsupervised learning (k-means, PAM), cutting down analysis time in similar projects from days to hours
- Constructed and deployed live self-service dashboards of talent KPIs using Power BI, R Shiny, and Tableau
- Developed a new retention analytics offering based on engagement survey methodology and machine learning; one of 6 proposals out of over 300 to win an internal New Ventures competition

Insight Health Data Science, Boston, MA
Fellow/Alumni Mentor   July 2015 – September 2015
- Created Food Findr, an interactive web application to help users identify healthy, local dining options in Boston
- Currently mentor fellows as a technical advisor, participating in panels, and running mock interviews

University of Virginia Department of Psychology, Charlottesville, VA
Graduate Research Assistant and Statistical Consultant   August 2011 – July 2015
- Coordinated the efforts of 29 teams and 61 researchers on a project investigating subjectivity in analysis decisions commonly found in academic research; used meta-analysis to aggregate results
- Examined the use of recursive partitioning methods for multilevel data structures commonly found in education research; created an R package to help facilitate the analysis for applied researchers
- Evaluated the performance of cluster analyses in longitudinal contexts using R and Monte Carlo simulations
- Provided statistical support to 10 substantive researchers for various projects and two grant proposals

EDUCATION

Ph.D. Quantitative Psychology   August 2015
University of Virginia, Charlottesville, VA

B.S. Applied Mathematics   May 2011
B.A. Psychology
University of Rhode Island, Kingston, RI

TECHNICAL SKILLS

- **Languages**: *expert:* R, *intermediate:* Python, *familiar with:* SQL, SPSS, *exposure to:* SAS, STATA
- **Tools:** git, tidyverse, ggplot2, R Shiny, pandas, Power BI, Tableau
- **Statistics:** Generalized linear and mixed-effects models, regularized regression, random forests, cluster analysis