

Ben Porter

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<https://github.com/benporter>

<http://benporter.io>



Objective

Support data driven decision making for senior leaders by leveraging my passion for data analytics, leading quantitative teams and working in a highly collaborative environment

Summary

15 years of experience (9 in analytics roles; 6 in IT roles)
Experience leading teams in the military, consulting and banking
MS in Statistics, BS in Decision Science and Finance
Strong track record of leveraging advanced analytics to solve practical problems

Experience

Senior Vice President, Analytics Manager, Bank of America Charlotte, NC 2009 - Present

Held several roles of increasing scope and responsibility, from AVP to VP to SVP. Currently lead the analytics team that supports a \$2.6B technology organization, which includes 1,300+ applications and 200,000+ servers. Deliver cross functional analytics, partnering with several other organizations to drive change.

Technology Analytics Accomplishments

- Lead the pilot for application expense and resource data consolidation effort between several organizations (Finance, Architecture, Technology, and Program Management) which is becoming the standard for application expense at Bank of America.
- Identified where more software testers would be needed by creating a predictive model to determine the frequency and severity of defects using recursive partitioning and survival analysis.
- Enhanced application stability monitoring by producing a series of stepwise regression models used to alert the team when anomalies occur.

Operations Analytics Accomplishments

- Used clustering analysis to create system-access peer groups, identifying which employees have high risk or unusual access.
- Created optimized staffing level recommendations using time studies and discrete event simulation models.
- Analyzed employee satisfaction using sentiment text mining.

Customer Analytics Accomplishments

- Led statistical analysis of customer satisfaction to determine which operational levers matter most to our 60MM+ customers.
- Performed logistic regression modeling to analyze which customers are more likely to engage in financial crimes and human smuggling.
- Constructed statistical measures and controls to detect possible money laundering by surfacing abnormal transaction patterns.

Economic Consultant, IHS Global Insight

Washington, DC 2006 - 2009

Created health price index forecasts for the Center for Medicare and Medicaid Services, which are used to set reimbursement rates to hospitals. Mentored and trained staff on econometric, programming, and time series techniques.

Accomplishments

- Best Paper Award at the 2008 Federal Forecasters Conference for, "Proxies, Price Measures, and the Prospective Payment Systems: Forecasting Inflationary Price Measures for Medicare."
- Built econometric forecasts of medical malpractice premiums for Medicare, and defended the model to Medicare actuaries.
- Incorporated the Office Management and Budget's economic assumptions for the President's Budget into Medicare's reimbursement rate forecast.
- Supported the sales staff by building a model to predict which customers were most likely to cancel their subscriptions using Cox PH models.
- Wrote quarterly technical reports and economic summaries for Medicare with a focus on clarifying complicated material and providing transparency on our modeling methodology to outside constituents.

Network Administrator, SI International

Norfolk, VA 2002 - 2005

Delivered production support services to the Norfolk Naval Base, Naval Facilities Mid-Atlantic organization of 2,500 users

Information Systems Technician (E5), US Navy

Norfolk, VA 1998 - 2002

Served on the USS George Washington leading a team of 25

Education

George Washington University

Masters of Science in Statistics — 2009

Old Dominion University

Bachelor of Science in Decision Science and Finance — 2006

Technical Skills

Programming: R, SAS, Python, Bash, VBA, Undergrad courses in C++

Statistical Tools: JMP, Eviews, Aremos, EPS

Certifications: SAS Certified Base Programmer for SAS 9 (5/2010)

SAS Certified Statistical Business Analyst: Regression and Modeling (8/2012)

Analytics in my Personal Life

Founder of the Charlotte R Users Group for statistical programming, 200+ members

Built a neural net predictive model to find my wife's engagement ring.

Won 4 hackathons, 24-hour data competitions, totaling \$7,000 in winnings

Used Amazon EC2 cloud servers to collect driving times while looking for a home

Code samples: <https://github.com/benporter> Blog: <http://benporter.io>