

Curry W. Hilton

APPLIED STATISTICIAN · HEALTHCARE ANALYTICS PROFESSIONAL

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Education

The University of Alabama

M.S. IN STATISTICS

Tuscaloosa, AL

Aug. 2015 - May 2017

High Point University

B.A. IN MATHEMATICS

High Point, NC

Aug. 2010 - May 2013

Clemson University

M.A. IN ECONOMICS

Clemson, SC

Jan. 2008 - May 2009

The University of North Carolina at Wilmington

B.S. IN BUSINESS ECONOMICS

Wilmington, NC

Aug. 2004 - May 2007

The University of North Carolina at Chapel Hill

GLOBAL PUBLIC HEALTH CERTIFICATE

Chapel Hill, NC

Jan. 2018 - PRESENT

Corporate Experience

UNC Health Care

HCS ADVANCED ANALYTICAL CONSULTANT

Morrisville, NC

October 2017 - PRESENT

- Developed forecasting algorithm to predict patient appointment demand across all UNC family practice and specialty clinics
- Performed program evaluation and analytical deep dive on ACO performance to determine impactable drivers of spend and utilization
- Created analytical data marts for sustained uses including predictive modeling and reporting

CoreCompete

DATA SCIENTIST - CONTRACT

Raleigh, NC

May 2017 - August 2017

- Provide analytical solutions for supply chain inefficiencies for clients
- Perform client interaction, requirements gathering, statistical modeling, back-end database administration and front-end application development
- Created a heuristic model for transactional matching algorithm to determine a measurement of "true" demand
- Developed an end-to-end multi-echelon inventory optimization model to suggest optimal service level goals to interface with replenishment system

Tractor Supply Company

MANAGER, DEMAND PLANNING

Brentwood, TN

Mar. 2014 - Jul. 2015

- Developed reporting metrics, such as forecast accuracy (variation of MAPE), coefficient of variation (CV), forecast value-add (measuring value-add of manual overrides), volatility, lag-components, naive baseline, etc. in Business Objects universe and SAS Enterprise Guide
- Strategically manage a team of demand planners and a data specialist to meet and track defined KPI's such as forecast accuracy, forecast override value-add, and circular/event forecast accuracy
- Created disaggregation logic in SAS base language for the forecast override program
- Developed forecasting models in Forecast Studio to examine ad-hoc forecasting procedures
- Served as the internal time series expert liaison between SAS analytical modeling team and TSC business teams during initial modeling build phase
- Developed SAS base program to identify and link "new" stores and SKU's to automate a trite business process
- Consult inventory management on appropriate order-up-to levels, SOQ's, and safety stock to meet in-stock levels and inventory turn
- Directed change management committee and developed deliverables for council to train existing business teams (Inventory Management, Merchandise Planning, and Buying Teams) affected by demand planning integration
- Provide demand forecasting inputs to the SOP and ensure team remains focused on targets outlined in the sales plan, inventory plan, strategic plan, and resulting financial plan
- Replicated existing forecast model in JDA E3 replenishment system to serve as the naive or baseline comparison model to SAS's statistical forecasts
- Incorporated clustering procedure and smoothing techniques into SAS's statistical model to increase efficiency and realize better execution performance

Tractor Supply Company

Brentwood, TN

SENIOR DEMAND PLANNER

Jun. 2013 - Mar. 2014

- Utilized SAS forecasting software model to create accurate SKU level demand forecasts
- Developed and managed forecast models, data, changes and exceptions to improve forecasts across thousands of SKUs for the purpose of replenishment ordering, allocation, merchandise planning, promotional planning, and other key business functions on a continual basis
- Accurately captured and integrated promotional and pricing activity into the system at the appropriate time/level of the store hierarchy
- Incorporated insight from Merchandising, Merchandise Planning, Marketing, Finance and others into the forecast and regularly provide analysis and feedback on those forecasts
- Setup and manage new and seasonal SKUs with an added focus on tracking and exception management in order to provide analysis, alerts, and trends to business partners to take appropriate actions

Wiglaf Pricing

Chicago, IL

SENIOR PRICING ANALYST

May 2010 - Jun. 2013

- Developed pricing strategies to address issues such as price setting, price segmentation, price variance management, discount management, price-to-value alignment, retail price maintenance, game theoretical competitive environment pricing, antitrust and legal pricing, price structure design, center of pricing excellence creation (organizational design), promotional pricing, product life cycle pricing, product line/channel pricing, dynamic pricing, revenue management, and price training
- Performed data analysis including pricing impact analysis, elasticity estimations, statistical regression, linear and dynamic programming, price optimization, volume hurdling, profit sensitivity, demand estimation, forecasting, price segmentation, voice of customer analysis, and conjoint analysis
- Interpreted results derived in pricing analysis and deliver direct plans of action to immediately initiate pricing improvements within firms without dramatically changing usual business operations
- Specialized in communicating the importance of pricing improvements to all affiliated business units and ensuring all are committed to working toward a mutual and profitable goal
- Continuously monitored suggested pricing strategies to confirm efficacy and if needed, marginally alter to guarantee market acceptance and profitable results

Teaching Experience

Duke University

Durham, NC

ASSOCIATE OF TEACHING, STATISTICAL SCIENCES

May 2018 - PRESENT

The University of Alabama

Tuscaloosa, AL

INSTRUCTOR, STATISTICS

Aug. 2015 - Aug. 2017

Lipscomb University

Nashville, TN

INSTRUCTOR, BUSINESS ANALYTICS AND STATISTICS

Jan. 2014 - May 2015

Elon University

Elon, NC

INSTRUCTOR, ECONOMICS AND STATISTICS

Aug. 2010 - May. 2013

Skills

- Programming Languages: SAS, R, Python, Matlab and C++
- Statistical Software: SAS, R, Python, STATA, SPSS, and Minitab
- Big Data: Hive, Hadoop, Apache Cassandra, Apache Spark, Apache Zeppelin, and AWS
- SAS Suite: Enterprise Guide, Forecast Server (Forecast Studio and Time Series Studio), Enterprise Miner, and JMP
- Reporting: Business Intelligence, SAP Business Objects and Information Spaces, Tableau, and SAS Visual Analytics