

Orrin S. Wheeler

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Professional within the Data Science with experience implementing models for various business needs while working to spread better data practices and awareness across multiple organizational levels. Master's in Information Technology and Management with a Business Analytics concentration and Bachelor's in Mathematics. Professional Data Science Analyst and DBA.

TECHNICAL SKILL SET

Machine Learning CART models (Decision Trees, Random Forest, XGBoost, etc.), Neural Network, Linear/Logistic Regression, K-means Clustering, Feature Engineering and Reduction, Cross Validation, Supervised and Unsupervised Learning

Dashboarding Tableau, ggplot, ShinyR, Rmarkdown

Software Engineering R, Shiny Apps, Agile Methodologies

Data Wrangling Oracle, Apache Hive, SQL Server, MySQL, Data Mining/Cleansing, Web Scraping

Advanced Analytics Statistical Analysis, Mathematical Modeling, Business Analytics

PROFESSIONAL EXPERIENCE

Lincoln Financial Group

Data Scientist

Greensboro, NC

May 2018 - Present

- Created Tableau dashboards for leadership and project managers to monitor the status of team projects.
- Used statistical analysis to provide insight into consumer profiles for various products. I also presented these findings to shareholders and senior leadership.
- Produced upsell leads for sales teams by creating an Extreme Gradient Boosted tree model predicting coverage need using demographic data mined from multiple data sources and comparing the result to policy holder's current coverages.
- Created a triage model for insurance applicants using a random forest to determine the probability that a given applicant would qualify for our fluidless underwriting process based on 3rd party demographic data.
- Created Consumer Clusters to get a better idea about what customer segments were buying which products. Worked with advanced analytics leadership to kickstart an Analytics Center of Excellence within Life Solutions.
- Worked as a member of the Analytics Center of Excellence to promote advanced analytics adoption enterprise wide and set standards for documentation and best practices. Gathered training resources for analytics professionals throughout the organization and promoted a sense of community through regular demonstrations and lunch and learns surrounding analytics work being performed at the company.
- Acted as data warehousing expert for my team consisting primarily of actuaries by assisting with ETL activities and providing trainings for relational database management to streamline workflows and reduce compute times of mission critical data management tasks.
- Performed feature reduction via stepwise regression, gini importance, principal components analysis, and business domain knowledge to determine useful features from noisy datasets in excess of 800 fields.
- Served as a mentor to actuaries with a vested interest in improving their data science techniques and practices to better service their team's needs.

Old Dominion Freight Line
Oracle Database Administrator

Thomasville, NC
May 2016 – May 2018

- Responsible for the modernization of AS400 database system from early 90s to Java on Unix web servers. This meant interpreting and understanding original flat file design with limited documentation and designing compatible Oracle DB structures used in a cluster environment.
- Implemented DBA best practices to manage development teams working on legacy and Oracle systems concurrently. This includes validating data quality and data synchronization using Veridata and version controlling for Database structure using DBMaestro.
- Served as primary point of contact and knowledge distribution for data synchronization processes.
- Identified potential truck driver and gas mileage ROI validation opportunity based on conversations with BI Team lead. With a predictive model, the business could compare actual truck gas mileage performance collected via sensor data versus expected behavior to identify and improve sub-optimal performance.
- Collected, aggregated, and cleansed data from Oracle DB, Excel spreadsheet, and other sources to produce a model to predict gas mileage utilizing sensor and environmental data. This model was presented to Business Intelligence leadership and accepted as appropriate and useful in estimating an optimal gas mileage for a given route.
- Successfully applied predictive model and k-means clustering to identify fleet of trucks with similar types of performance characteristics, including those that were under performing.

Lucy C. Ragsdale High School
Mathematics Teacher

Jamestown, NC
December 2013 – April 2016

INDEPENDENT/ONLINE LEARNING

R For Data Science

DataCamp.com, Certificate of Completion

January 2018

EDUCATION

University of North Carolina Greensboro

MS: Information Technology and Management with concentration in Business Analytics

Greensboro, NC
December 2017

Appalachian State University

BS: Mathematics, Secondary Education

Boone, NC
December 2013

To see my digital resume and browse some completed projects, visit my website:

www.orrinwheeler.info