Christopher Castle

Data Analyst and burgeoning Data Scientist

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projects

- Lending Club Analysis
Analyzed publicly available loan data from LendingClub.com to determine who their typical customers are and created statistical models to predict which loans would be repaid.

- Kaggle Competitions
Analyzed data provided by large companies (Home Depot, Walmart, Springleaf financial, The Otto Group) to predict direct marketing response, determine inventory needs depending on weather events, and increase search result relevance. In a broad sense to hone machine learning, data cleaning and other data science skills 'in the wild'

- Kindle Clippings Viewer with Topic Clustering
Created a website with a colleague which allows a user to register, upload their My Clippings file, and view their clips using search terms or browse by topics generated from a latent Dirichlet allocation model. Built on React Starter Kit with a PostgreSQL database and soon to be deployed on Heroku.

- Others Projects
Wrote reports on multivariate regression, a central limit theorem simulation, NOAA weather event analysis, and a machine learning project with random forests. Created a data product with predictive functionality.

experience

- ABC Legal Services (2009 - 2015)
Vendor Manager – Oversaw dozens of vendors across the U.S. Procured new vendors for process service and court filing and established compliance requirements and quality expectations. Resolved conflicts in quality and performance with existing vendors.

Service Quality Specialist – Reviewed legal documents to verify conformation between client and court records. Worked in tandem with automated processes to ensure accurate and efficient methods to handle large numbers of cases. Helped to increase productivity by providing feedback in real-time to calibrate and adjust processes to streamline work flow. Followed complex, client-specific policies and procedures.

about

Zealous learner shifting to a career in data science, interested in the application of statistical analysis to broad sets of problems. I have experience in vendor management, investigative research, quality assurance and automated processes. My other interests include hiking, reading history, and studying monetary and economic systems.

skills

- Proficient with the R Statistical Language
- Microsoft Access and Excel
- Familiar with Python and Javascript
- SQL queries and applied modeling experience with PostgreSQL
- Statistics (multivariate regression, confidence intervals, ANOVA)
- Machine Learning (random forests, boosted trees, naive Bayes)
- Data Visualization (ggplot2)

education

Coursera Data Science Specialization
Completed the 9 core classes for the specialization created by Johns Hopkins University which include exploratory Data analysis, statistical inference, machine learning, developing data products and report writing. Completed the capstone project which involved finding underlying statistical properties for large sets of natural language text data for predictive purposes.

University of Washington
Bachelor of Arts in History – 2009