JOSEPH KRINKE

Durham, North Carolina

joseph.krinke@duke.edu ⋄ 810-623-4940 ⋄ https://joekrinke15.github.io/

EDUCATION

Duke University, Durham, NC   *August 2019 - Present*
Master's in Interdisciplinary Data Science
GPA: 3.86

Central Michigan University, Mt. Pleasant, MI   *August 2015 - May 2019*
Bachelor's in Statistics   *Summa Cum Laude*
GPA: 3.91

WORK EXPERIENCE

Machine Learning Intern   *May 2020 - Present*
myDrugCosts, Durham, NC
· As project lead, managed team of 3 interns and served as the primary liaison to company leadership.
· Implemented DBSCAN algorithm to identify opportunities for client drug savings.
· Built 3 Power BI dashboards for application users, company executives, and client organizations.
· Worked with software engineers to integrate dashboards into existing application.

Marketing Analytics Intern   *May 2019 - August 2019*
Fresenius Medical Care, Lawrence, MA
· Built decision tree and logistic regression models in R to predict patient acquisition and retention to drive patient consultant behavior. Worked closely with marketing and IT teams to integrate solution into Salesforce CRM tool.
· Created regression model to evaluate the impact of market acceleration initiative on dialysis modality growth, identifying regions of program effectiveness.
· Created Salesforce dashboards used to report on marketing KPIs and monthly metrics.

TECHNICAL SKILLS

Programming Languages: R, SAS, Python, Stata, MySQL
Libraries: Scikit-learn, Pandas, NumPy, Matplotlib, TensorFlow, seaborn
Tools: MS Azure, Tableau, GitHub, Power BI, Excel
Machine Learning: Regression (Linear, Logistic, Ridge, Lasso), Decision Trees (Random Forest, Gradient boosting), Clustering (K-Means, DBSCAN, Hierarchical), Deep Learning (FF, CNNs)

ACADEMIC ACHIEVEMENTS

2019 Duke Datathon Competition Finalist
Our team built a decision tree model in Python to predict customer conversion rates using Valassis online shopping data. The report we created was selected as one of the top 5 of 57 teams, and we presented our results to industry executives.

Duke Graduate School and Social Science Research Institute (SSRI) Scholarship
Scholarship awarded to top applicants to the MIDS program.

Centralis Scholarship
Central Michigan University's most prestigious academic scholarship, providing full tuition and room and board for 4 years.