Noah Rezsonya

Personal Info

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GitHub
https://github.com/nuoyakang

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Skills

Data Mining Skills
Linear Regression
ANOVA, MANOVA
Logistic Regression
Support Vector Machines
k-Nearest Neighbors
Naive Bayes
Random Forests
Ensemble Methods
PCA, LDA
k-Means, DBSCAN
Agglomerative Clustering
Spectral Clustering
Association Rule Mining

Analysis Tools
Python: pandas, numpy, scikit-learn
R : ggplot2, rvest, XML, RCurl, plyr, xtable, kableExtra, forecast,olsrr, caret
SAS, MATLAB

Relational Database
MySQL workbench
MongoDB

Data Vizsualization
Tableau
Python : seaborn, matplotlib

Experience

05/2014 - 11/2014

Executive Assistant Intern : Sydney, Australia
Harman Global Holdings
• Assist in the development of client database to document transactions, market trends and client requirements to streamline sales and marketing strategies.

• Assist in the creation of a new user interface to manage incoming data and provide legible and concise feedback from previous client interactions.

10/2015 - 08/2016

Post-Graduate Structural Intern : Chongqing, China
JizhunFangZhong Engineering and Architecture
• Maintain database of steel design parameters and costing.

• Using steel design database to track installation status to assist in procurement and construction sequencing.

• Drafting and design of structural details.

Education

08/2017 - 05/2019

Southern Methodist University: Dallas, Texas USA
Master of Science, Data Science I Current GPA 4.0

07/2009 - 02/2014

University of New South Wales: Sydney, Australia
Bachelor of Civil Engineering

Completed Data Science and Machine Learning MOOCs on Udemy, AWS Education and Coursera. Certificates available via LinkedIn profile.

Projects

10/2017 - 02/2018
Regression Project

Housing Price Prediction
• Data has 79 explanatory variables describing (almost) every aspect of residential homes in Ames, Iowa.
• Predict the final sale price of each home.
Skills Used: R, Statistical Imputation, Linear Regression, Regression Model Selection.

02/2018 - 05/2018
Classification Project

Kobe Shot Slection
• Using 20 years of data on Kobe's swishes and misses to predict which shots will find the bottom of the net.
Skills Used: SAS, Statistical Imputation, Logistic Regression, Linear Discriminant Analysis.

02/2018 - 05/2018
Database Project

Working with streaming data: Mining Twitter Data with Python and MongoDB
• Streaming tweets using Twitter REST API.
• Compare design considerations: Real-time vs. Batch.
Skills Used: Python, MongoDB

05/2018 - Present
*Classification ,
Regression,
Clustering,
Association Rule
 Project*

Data Mining Using North Carolina High School Data
• Leveraging historical, secondary data collected from high schools in the state of North Carolina to investigate what factors influence high school performance.
Skills Used : Python scikit-learn, Linear Regression, Logistic Regression, Random Forest,k-NN, SVMs, k-Means, DBSCAN.