

Noah Rezsonya

Personal Info

Location

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GitHub

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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
Spectral Clustering
Recommender System

Analysis Languages

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

Aspiring Data Analyst driven to use her skills to develop data-driven breakthroughs.

Education

08/2017 - 05/2019

Southern Methodist University: Dallas, Texas USA

Master of Science, Data Science | Current GPA 4.0

07/2009 - 02/2014

University of New South Wales: Sydney, Australia

Bachelor of Civil Engineering

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

- Drafting and design of structural details.

- Maintain database of steel design parameters and costing.

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

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.