Austin Turvey

Junior Data Scientist

Contact

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Skills

Machine Learning
Data Visualization
Statistical Analysis
Data Mining
Statistical Modelling
Critical Thinking
Communication
Teamwork
Hypothesis Testing
Experiment Design
Data Cleaning/Munging
Parallel Programming

Software

R — Very Good
Python — Good
SQL — Good
Microsoft Suite — Very Good
R Markdown — Very Good
Tableau — Good
Jupyter Notebook — Good
Git — Good
Spark — Basic
Shell — Average
JavaScript — Basic
React — Basic

Passionate and driven junior data scientist with a strong focus on leveraging data within a team to provide insights on business acumen. Skilled in statistical inference, machine learning, prediction, data visualization, and data mining using R and Python. Advanced knowledge of statistical theory, statistical modelling, and hypothesis testing. Between work and academia, offering 3 years of experience. Continuously learning new skills and techniques to become a more valuable team member.

Experience

2019-06 - 2019-09

Data Science Intern

Higher Logic, Portland, OR

- Worked collaboratively with the data science team to develop KPI allowing for better performance monitoring of Higher Logic's tenants.
- Conducted exploratory analysis, feature importance, and both time series and multivariate predictions, helping create KPI.
- Communicated results to upper management and across departments, helping generate informed decision making.
- Researched and began development on classification model for classifying users into various types according to engagement levels with platform; translated benefits and costs of machine learning technology for non-technical audiences.
- Created data visualization graphics, translating complex data sets into comprehensive visual representations.

Academic Research

Predicting Student Graduation and Dropout Probabilities Using Gradient Boosting - Completed June 2020

- Utilized R and machine learning libraries.
- Has led to better targeting of advising at the University of Oregon, bettering student outcomes

Oregon Cities and Vehicle Collisions: How Does Population Size and Law Enforcement Presence Affect Crash Frequency? - Completed March 2021

- Utilized R to asses impact and effectiveness of increased policing on crash frequency within Oregon.

Education

2020-09 - Current

Master of Science: Applied Economics

University of Oregon - Eugene, OR

- Current GPA: 4.03 / Expected Graduation June 2021
- Concentration in econometrics, causal inference, big data, machine learning, and time series forecasting.

2016-09 - 2020-06

Bachelor of Science: Applied Economics

University Of Oregon - Eugene, OR

- Final GPA: 4.13
- Graduated summa cum laude with departmental honors.
- Minored in Computer Science and Business Administration.

Certifications

2020-05 SQL For Data Science - Coursera
2020-04 Data Wrangling, Analysis and AB Testing with SQL - Coursera

Technical Skills

Models: Regression (OLS, Logistic, Shrinkage), KNN, Ensemble Methods, SVM, Neural Networks, ARIMA, VAR.
Libraries: Tidymodels, Tidyverse, Dplyr, GGplot, SparklyR, data.table, Flexdashboard, Pandas, Numpy, Matplotlib, Seaborn, SKlearn, Scikit-learn.