Austin Turvey

Junior Data Scientist

Contact

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Skills

Machine Learning
Data Visualization
Statistical Analysis
Data Mining
Critical Thinking
Communication
Teamwork
Hypothesis Testing
A/B Testing
Data Cleaning/Munging
Time Series Analysis
Data Analytics

Software

R — Very Good
Python — Good
SQL — Good
Microsoft Suite — 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, data visualization, API integration, and data mining using R, Python, and SQL. Advanced knowledge of statistical theory, hypothesis testing, and A/B testing. Between work and academia, offering 3 years of experience within data science. Outside of data science, enjoys the great outdoors, snowboarding, music, and discovering new places!

Experience

01/2020 - 06/2020

Academic Researcher - *University of Oregon, Eugene, OR*

- Researched and implemented gradient boost classification algorithm to predict student graduation likelihoods.
- Collaborated with both stakeholders and industry experts to ensure the project would meet key requirements.
- Machine learning algorithm achieved strong results, resulting in advisors being able to identify at-risk students at 89% accuracy.
- Co-authored research paper discussing findings, received an award for “Best Documented and Written Code”.

06/2019 - 10/2019

Data Scientist Intern - *Higher Logic, Portland, OR*

- Co-Developed new KPI which increased understanding of product usage 15-30% across multiple business teams.
- In developing KPI conducted exploratory, time series, and multivariate feature extraction analysis.
- Developed TF-IDF script to conduct sentiment analysis on different user bases. Created intriguing visualization showing how top keywords changed over time.
- Developed K-Means classification model to bin users into various types according to engagement levels with the platform which improved understanding of user distribution; translated benefits and costs of the algorithm for non-technical audiences.
- Created over 40 clear and intriguing data visualizations, translating complex data into comprehensive visuals.

Education

09/2020 - Current

Masters 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.

09/2016 - 06/2020

Bachelor of Science: Applied Economics

University of Oregon - Eugene, OR

- Final GPA: 4.13 / Summa cum laude / Departmental Honors
- Minors in Computer Science and Business Administration.

Certifications

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

Technical Skills

Algorithms: Regression (OLS, Logistic, Shrinkage), KNN, K-Means, Ensemble Methods, SVM, Neural Networks, ARIMA, VAR.

Libraries: Tidymodels, Tidyverse, Dplyr, GGplot, data.table, Pandas, NumPy, Matplotlib, Seaborn, SKlearn, Scikit-learn, TensorFlow