

SCOT CARPENTER

Data Analyst

<https://escotcarpenter.github.io>

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OBJECTIVE

Highly motivated college student seeking an internship in data analysis, data science, or machine learning. Skilled in working independently and collaboratively. Successful in working in fast-paced environments while remaining detail-oriented and innovative.

SKILLS

- Python
- R
- Java
- SQL
- NLTK
- Pandas
- Scikit-learn
- Matplotlib
- Seaborn
- Excel
- Statistical Modeling
- Data Visualization
- Analytical Thinking
- Problem Solving
- Strong Communication
- Leadership

EDUCATION

UNIVERSITY OF ARIZONA | BACHELOR OF APPLIED SCIENCE

exp. Fall 2025

Applied Computing with an Emphasis in Applied Artificial Intelligence

4.0 GPA

Certificate in Data Science and Visualization

Relevant Projects

Washington State Health Outcome Rankings

- Constructed in Jupyter Notebook and executed in Python
- Analyzed Health Outcome Rankings for all counties in Washington state from 2015 to 2023
- Conducted statistical hypothesis testing and built linear regression models to predict county health rankings
- Constructed logistic regression models to determine feature weights for top rankings
- Evaluated models using random sampling cross-validation and visualized through ROC curves

Worth a Shot: NBA Shot Analysis

- Constructed and executed in R markdown
- Analyzed NBA shot data from 2003-2024, focusing on changes in shot selection
- Organized and summarized dataframes using tidyverse and dplyr pipelines
- Uncovered trends in scoring and field goal percentages by orientation and range through exploratory data analysis

Untwisting the Storm: Tornado Analysis

- Constructed and executed in R Quarto
- Analyzed tornado metrics, focusing on changes in reporting frequency, time, and location
- Compared different eras of tornado reporting through ANOVA test
- Visualized the varying frequencies of tornado reports through a choropleth map

WORK EXPERIENCE

MANAGER | WALNUT STREET COFFEE

2017-2023

- Managed a staff of ten baristas, developing schedules and overseeing training
- Monitored inventory and oversaw procurement from 5+ suppliers
- Ensured positive customer experience and managed customer complaints
- Conducted payroll and resolved discrepancies in sales reports