

Carl J. Klein

<https://www.linkedin.com/in/carl-klein/> | www.clickityklein.github.io/Carl-Klein

EDUCATION

MS Data Science

University of Colorado Boulder

2023 – 2025

BA Mathematics

University of Washington

Minor: Applied Mathematics

2013 – 2017

SKILLS

Languages: Python, R, SQL

Applications: regression, clustering, classification, exploratory data analysis, data mining, machine learning, web applications

Communication: public speaking, presenting, analytical writing, analytical documentation

Software: Microsoft Office Suite, RStudio, Anaconda Navigator, Spyder, Jupyter Lab/Notebook, VSCode, Quarto, Flask, Git, GitHub, PostgreSQL/PGAdmin

PROFESSIONAL EXPERIENCE

Data Analyst Intern

Pattern Energy Group

June 2024 – August 2024

Boulder, CO

- Accessed and navigated petabytes of data through a Linux server.
- Created robust analytical tools with Python scripts and Jupyter Notebooks which can use a wide variety of inputs to model different renewable energy scenarios.
- Used network analysis with networkx and predictive modeling with scikit-learn to illustrate how an energy grid can optimize transfers between counties.

Benefits Data Analyst

Parker, Smith & Feek

February 2018 – June 2023

Bellevue, WA

- Updated and monitored financial health data used in conducting analyses to identify trends, discrepancies, and produce recommendations.
- Communicated analytical insights to multiple clients through presentations and dashboards.
- Automated internal tasks by creating VBA macros and scripts.

PROJECT EXPERIENCE

Snowbound Analytics (snowbound-0fqq.onrender.com)

October 2024

- Gathered data with Python through several APIs.
- Cleaned, aggregated, and performed exploratory data analysis with different Python libraries.
- Performed clustering, regression, and classification using a litany of scikit-learn modules.
- Examined different patterns and results with spatiotemporal concepts.

The Brewery Project (the-brewery-project.github.io/The-Brewery-Project)

May 2024

- Utilized data mining techniques and Python to prepare data with features consistent for brewery success.
- Created predictive and classification models with scikit-learn to help multiple facets of the brewery community help make informed decisions.
- Created a website with Quarto and detailed documentation with GitHub.

RELEVANT COURSEWORK

Linear Algebra, Calculus, Statistics, Data Mining, Machine Learning, Spatial Analysis