Patricia (Patti) Degner

Boulder, Colorado 80303   •   (620) 899-7677   •   pdegner7@gmail.com   •   www.linkedin.com/in/patricia-degner/

Education

August 2019 - Present - Expected graduation December 2020

University of California, Berkeley–*Master of Information and Data Science*   **GPA: 4.0**
- I have taken Python, Machine Learning, Causal Inference, and Advanced Statistics

August 2013 - August 2017

University of Kansas, Lawrence, Kansas – *Bachelor of Science in Business: Supply Chain Management with a Minor in Psychology*   **GPA: 3.55**
- Studied abroad through Semester at Sea, visited 12 countries, + 5 independently

Skills and Knowledge

Programming: Python (numpy, seaborn, scikit-learn, pandas), R (tidyverse), SQL

Other Technologies: Google Cloud, TensorFlow, Docker, Jupyter Notebooks, Hadoop

Skills: Data cleaning, Statistical analysis, Statistical Modeling, Business acumen

Projects

These projects, among others, can be viewed on GitHub: https://pdegner.github.io/

Wine Notes – *Which wine notes increase the value of wine?*
- Scraped a list of wine notes from Wikipedia
- Parsed wine notes from natural language descriptions of each bottle using Python
- Created visualizations relating wine notes to price using pandas, numpy, and seaborn

MNIST – *Machine learning image classification practice using a handwritten–digits dataset.*
- Used K-nearest neighbors (KNN), Naive Bayes, and Gaussian Naive Bayes to classify digits
- Tuned models with LaPlace smoothing, blurring, and other techniques

Dead Umpires – *Can we predict if an umpire is dead or alive?*
- Created linear and logistic models in R to predict if a given umpire is dead or alive
- Calculated AUC to determine which model is best

Text topics – *What is this message about?*
- Sorted messages by topic using text-based machine learning

Experience

October 2018 - August 2019

Randstad Engineering onsite at Xcel Energy – *Planner Buyer Agent*
- Performed data analysis and created reports for improved efficiency of Xcel's supply chain

October 2017 - July 2018

International Language Academy Vietnam, Hanoi – *English Teacher*
- Independently created lesson plans in Google Slides and taught English to all ages and levels
- Awarded Outstanding Teacher for my skill and initiative in professional development