

JILLIAN ETHEREDGE

DATA SCIENTIST

✉ jne@g.clemson.edu
☎ 803-367-1153
📍 Rock Hill, SC 29730
in linkedin.com/in/jillian-etheredge/
🌐 jilliane1993

Skills

MACHINE LEARNING

Regression
Classification
Natural Language Processing
Deep Learning
CNN

PROGRAMMING

Python
SQL
Linux shell (bash)

LIBRARIES AND FRAMEWORKS

Pandas
NumPy
BeautifulSoup
Selenium
NLTK
Genism
Statsmodel
Scikit-learn
Fast.ai

VISUALIZATION

Matplotlib
Seaborn
HTML
Tableau

DATA MANAGEMENT/CLOUD TOOLS

Git
Postgres
Google Cloud Platform

Experience

Metis

Data Scientist

Jan. 2021 to Current

- 12-week immersive data science bootcamp focused on Python programming, machine learning, statistical modeling, data visualization, and project design.
- Designed, implemented, and presented five projects through the course of the program.
- Select projects highlighted below

Geek Squad

Consultation Agent

Athens, GA

Mar. 2020 to Dec. 2020

- Consistently exceeded customer enrollment quotas
- Trained and supervised new departmental hires
- Effectively communicated technical issues to individuals with non-technical backgrounds

Petco

Merchandise Specialist

Clemson, SC

May 2018 to Dec. 2019

- Aided with inventory management
- Maintained high-level of customer engagement
- Assisted with training of new hires

Projects

Classifying Wildlife Cameratrapp Images

- Objective: Create model that successfully identifies animals using more than 100 GB of Snapshot Serengeti images
- Tools/Methods: Google Cloud Platform, Fast.ai, Voila, Binder, Transfer learning
- Results: Deployed interactive app that predicts species from an uploaded image
- Blog Post | GitHub | WebApp

Exploration of Topics and Characterization in Tabletop Roleplaying Games

- Objective: Examine themes and character archetypes in Starfinder Adventure Paths
- Tools/Methods: spaCy, Non-negative matrix factorization, Doc2Vec, Tableau
- Results: Created Tableau Dashboard to show in depth breakdown of topic modeling results, analyzed similarities in characterization among major antagonists
- Blog Post | GitHub | Tableau

Predicting Term Deposit Sign-up

- Objective: Maximize telemarketer time efficiency and campaign success rates by predicting which contacts are likely to sign up for an account using UCI's bank telemarketing dataset
- Tools/Methods: Stratified test/train split, balancing class weights, over and under-sampling techniques, logistic regression, naive bayes, forests, gradient boosting
- Results: Analysis showed demographics likely to sign up as well as call volume threshold
- Blog post | GitHub

Predicting Horror Movie IMDB Scores for a Female Audience

- Objective: Predict female audience reception to horror movies using IMDB movies with 10,000 or more votes
- Tools/Methods: Web-scraping with BeautifulSoup, Seaborn, Lasso and Ridge Regression, Robust and Standard Scaler
- Results: Created multiple regression models for predicting female audience response based on which point of pre or post-production the film is in
- Blog post | GitHub

MTA Street Team Analysis and Recommendations

- Objective: Recommend subway stations for stream team placement using NYC MTA station traffic data, American Community Survey demographic data, NYC Open Data MTA station coordinates
- Tools/Methods: Numpy, Pandas, Seaborn, Geopy
- Results: Implemented weighted algorithm to maximize interactions with targeted demographics
- Blog post | GitHub

Education

Clemson University, Clemson SC

Bachelor of Science 2019

Cumulative GPA: 3.65/4.00