

LAUREN FAULDS

» Data Science Projects

Forecasting Bird Counts Aug. 2020 to Sept. 2020

- Stored 3 GB ebird data within Google Cloud Platform Data Proc Cluster
- Utilized Apache Spark framework with SQL
- Forecasted bird counts with Vector Auto Regression from Statsmodel library

Mutual Aid Network Topic Modeling Aug. 2020 to Aug. 2020

- Cleaned public assistance requests & offers with NLTK
- Deduced topics with LSA topic modeling, visualized with TSNE

Breast Cancer Morbidity Classifications Aug. 2020 to Aug. 2020

- Acquired 3 GB of NIH breast cancer data from 1975 - 2017
- Trained h2o ai model predicting morbidity due to diagnosis
- Mapped Distributions of predictions across features in Tableau

Produce Price Predictions July 2020 to July 2020

- Web scraped produce price data using Beautiful Soup 4
- Framed dataset for time series analysis in Pandas
- Performed linear regression to create price predictions

Clustering Covid-19 Genomes Apr. 2020 to May 2020

- Clustered genomic data from NIH database using Biopython and MUSCLE
- Visualized phylogeny using ETE Toolkit library

Visualizing Spinal Alignments Jan. 2019 to May 2019

- Analyzed patients' spinal alignment data in R
- Visualized averaged patient trajectories over 3 months in ggplot

» Experience

Metis San Francisco, CA
Data Scientist June 2020 to Sept. 2020

- Produced 5 projects within a 12-week ACCET accredited bootcamp
- Shared 4-5 minute presentations with data scientists and cohort

Connection Massage San Francisco, CA
Owner & Massage Therapist Aug. 2019 to Mar. 2020

- Offered myofascial release and jaw specific massage care to patients
- Directed operations of company as sole proprietor of business

Massage Therapist San Francisco, CA
Aug. 2018 to Aug. 2019

- Designed patient care plans
- Fostered compassionate spaces for patients during visits

Bloomers San Francisco, CA
Sales Associate Jan. 2018 to Apr. 2018

- Maintained positive legacy account relationships
- Enhanced customer experience of shopping for special occasional arrangements

» Contact

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» Education

Ashland Institute Jan. 2015 to
of Massage June 2015

Completed 650 hour program
studying massage practices

City College of San Aug. 2017 to
Francisco May 2020

Earned credits towards a degree in
Statistics and in Floristry

» Skills

Languages

Python

R

SQL

Git

Libraries

Sci Kit Learn

Pandas

Biopython

h2o ai

Beautiful Soup

Statsmodel

NLTK

Visualization

Matplotlib

Seaborn

ggplot

Tableau

ETE Toolkit

Data Management

Pyspark

Google Cloud Platform

DASK

Machine Learning

Regression

Classification

Time Series Forecasting

Natural Language Processing

Dimensionality Reduction