Harrison S. Jansma

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PROFESSIONAL SUMMARY

Data Scientist • Machine Learning Engineer
Python • MySQL• Git • ML Frameworks • Jupyter Notebook

EDUCATION

The University of Texas at Dallas   **Aug 2019 – May 2020**
Master's in Computer Science, Data Science Track

Baylor University   **Aug 2013 – May 2017**
BBA Business Fellows, Secondary Major Mathematics
- Magna Cum Laude (3.86 GPA)

WORK EXPERIENCE

Self-Taught Data Scientist Plano, Texas   **Jan 2018 - present**
Built my own data science curriculum. Studied Python, statistics, and machine learning full-time for 9 months. Enrolled in master's program for software development skills and to network.
- Published several tutorials to teach other aspiring data scientists, a total of 9k reads.
- Created extensive write-ups for clustering, regression, and classification tasks using Jupyter Notebooks, GitHub, and Python.
- Deployed a website to showcase my portfolio with git, SSH, and back-end technologies.
- Deployed MySQL database to store emails of website subscribers with a Flask REST API.

PERSONAL PROJECTS

Dropout in Convolutional Neural Networks   **Aug 15, 2018**
Article detailing the benefits of batch normalization for deep learning in image recognition.
- Supported article's opinions with an experiment confirming networks built with BN had a nearly doubled prediction accuracy.
- Article reposted in KDNuggets, a data science publication boasting over 230k subscribers.
- Published in Towards Data Science, receiving 1.5k reads in the first 24 hours.

Clustering Mental Health   **May 23, 2018**
Clustered mental health benefits of tech industry to find potential recruitment candidates.
- Trained several clustering models on survey response data and found 5 key groupings.
- Visualized multidimensional data clusters using 2D and 3D projections. (PCA)

Apple Sentiment Analysis   **June 20, 2018**
Modelled sentiment of Apple products using Twitter data, Scikit-Learn, and NLTK.
- Optimized linear model, reducing prediction error by 15% using gridsearch algorithm.