

John Hendricks

john.hendricks4@gmail.com | 910-986-9916 | Wilmington, NC

LinkedIn: www.linkedin.com/in/john-hendricks123 | GitHub: <https://github.com/j-hendricks>

Passionate about analyzing data. Working for the Applied A.I. Laboratory at University of North Carolina at Wilmington, where I co-wrote a published machine learning paper. Currently earning a bootcamp certificate from the Data Analytics Bootcamp at the University of North Carolina at Chapel Hill. Have completed various projects using Python, R, and SQL during these opportunities.

Technical Skills

Python, PostgreSQL, Pandas, Keras, ETL, AWS, Spark, Tableau, Power BI, R

Projects

Activity Recognition of Nursing Care Data

Repo: <https://github.com/j-hendricks/Nurse-Activity-Recognition-Challenge-2022.git> | Aug. 2022 Co-Creator

- Predicts hourly behavior of nurses in healthcare facility based on previous behavior
- Accepted for publication by Activity and Behavior Computing (ABC)
- Wrote Abstract, Introduction, Related Works, and Dataset Section
- Wrote summary of state-of-the-art models used in human activity recognition
- Cleaned data using Pandas
- Tools/Languages: Python, Pandas, Matplotlib, Jupyter Notebook

Using ETL to Analyze Customer Reviews from Amazon Web Services

Repo: https://github.com/j-hendricks/Amazon_Vine_Analysis.git | Sep. 2022 Creator

- Analyzes Amazon Vine Reviews to determine bias in review ratings
- Extracted data from AWS, transformed it using PySpark, and loaded data into pgAdmin
- Applied statistical test in R to determine evidence of bias favoring paid reviews
- Summarized results in Pandas dataframe
- Tools/Languages: AWS, PySpark, PostgreSQL, R, Pandas

Web Scraping Youtube to Determine Trends of Popular Channels

Repo: <https://github.com/j-hendricks/Webscraping-Youtube.git> | Jul. 2022 Creator

- Wrote program that scrapes Wikipedia information of top 50 Youtube channels, visits homepage of each channel, and scrapes video information of the 30 most recent videos posted by that channel
- Automated web scraping process using Splinter
- Visualized frequently used words in video titles using a word cloud
- Stored video information (title, number of views, etc.) in Pandas dataframe
- Plotted bar chart showing which channels are currently going viral
- Tools/Languages: Python, Splinter, BeautifulSoup, Pandas, Matplotlib

Work Experience

Quality Chemical Laboratories

January 2022 - April 2022

Laboratory Analyst

Wilmington, NC

- Completed testing for over 30 pharmaceutical ingredients, all within their deadline
- 99% of individually conducted tests passed without personal errors

- *Inventoried 300+ pharmaceutical ingredients using company software*
- *Generated and recorded qualitative and quantitative chemical data*

Education

*University of North Carolina at Chapel Hill
Certificate in Data Analytics*

November 2022

*University of Virginia, Charlottesville, VA
Chemistry, Bachelor of Science*

May 2021