

Pedro Souto Ourem

Data Analyst | Charleston, SC

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Portfolio: <https://pedrosourem.github.io/>



I am a google certified data analyst, fluent Portuguese speaker, and chemical engineer with a master's degree and 3 years in the manufacturing industry. My goal is to pursue a career in data analytics where I can use my engineering problem solving skills and my knowledge in data analysis to accurately extract valuable insights and to lead businesses to the right direction.

Technical Skills

- **Spreadsheets:** MS Excel for Data Analysis (Security, MS Query, What/If Analysis, Data Validation, Pivot Tables and Charts)
- **Database:** MySQL, Microsoft SQL Server, and BigQuery
- **Programing Language:** Python (Numpy, Pandas, Matplotlib, Seaborn, Scikit-learn)
- **Data Visualization:** Tableau
- **Familiarity with:** Alteryx, Power BI, and R
- **Bilingual:** Portuguese (first language) and English (fluent)

Technical Projects

Cyclistic Bike Share | Google Certification Capstone Project

- Evaluate the differences between customers with and without membership for the last 3 years and find valuable insights to get more clients to become members. Cleaned a dataset of over 9 million records using Python ([Kaggle](#)). Created a tableau dynamic dashboard to showcase possible strategies to attract more members ([Tableau Public](#)).

US Mass Shootings | Kaggle Dataset

- Create a descriptive Tableau dashboard of US mass shootings from 1982 - 2022. Cleaned a dataset with extensive data manipulation techniques in Python ([Kaggle](#)). Built a dashboard showing the location, gender, weapon type, fatalities, etc. of the events filtering over the years ([Tableau Public](#)).

8 Weeks SQL Challenge | Danny Ma SQL challenges

- Practice SQL by solving the case studies ([#1](#)) and ([#2](#)) of Danny Ma SQL challenges. These challenges helped me to practice different SQL statements, such as join and conditional clauses, aggregate and window functions, subqueries, and common table expressions ([Medium](#)).

IBM Employee Attrition Prediction | Data Science with Python (Simplilearn course)

- Practice building data visualization and machine learning models using Python libraries. Cleaned the dataset and analyzed it with Numpy, Pandas, and Matplotlib. Transformed categorical and numerical features with encoding and scaling techniques, respectively, with Scikit-learn to perform and compare two classification models: Logistic Regression and Random Forest. Evaluated the models with Confusion Matrix and ROC-AUC Curve ([Kaggle](#)).

Work Experience

Manager and Manufacturing Engineer | HIER Bar & Brewery | Brazil (3 years)

Oct 21

- Created and developed multiple beer recipes for a startup business, including a Brazilian nationally awarded beer (Brazil Beer Cup 2022).
- Managed a 3-person production team responsible for the brewhouse and the beer dispensing operation.
- Created spreadsheets to better improve and control the production parameters and inventory.

Education & Certifications

Hashtag Treinamentos | Python Impressionador Course (181 hours)

Nov 22

- Python Fundamentals & Data Analysis (Numpy, Pandas) | Python Integration with txt, pdf, email, and SQL | Web-scraping: Selenium

Alteryx | Alteryx Designer Core Certification

July 22

- Input/Output, Join, Preparation, Transform, Parse

Google & Coursera | Professional Data Analytics Certification (200 hours)

May 22

- Google sheet, BigQuery, Tableau and R

Federal University of Pernambuco | Master's & Bachelor's Degree in Chemical Engineering

Dec 21