

Pedro Souto Ourem

Data Analyst | Charleston, SC

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



I am a Google certified Data Analyst and Chemical Engineer with a Master's degree, seeking a career in data analytics. With 3 years of experience in the manufacturing industry and fluency in Portuguese, I bring a unique combination of technical expertise and analytical skills to the table. My goal is to use my ability to extract valuable insights from complex data sets to drive informed business decisions and drive positive results.

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
- **Programming 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

- Analyzed the impact of customer membership on the business over the last 3 years by cleaning a dataset of over 9 million records using Python ([Kaggle](#)). Developed a Tableau dynamic dashboard to present insights and potential strategies for increasing membership ([Tableau Public](#)).

US Mass Shootings | Kaggle Dataset

- Created a Tableau dashboard showing US mass shootings from 1982-2022, using Python data manipulation techniques to clean the data ([Kaggle](#)). The dashboard includes details like location, gender, weapon type, fatalities, with the ability to filter data over the years for deeper insights ([Tableau Public](#)).

8 Weeks SQL Challenge | Danny Ma SQL challenges

- Sharpened my SQL skills by tackling the case studies (#1) and (#2) of Danny Ma's SQL challenges. These exercises allowed me to hone my use of various SQL statements, such as joins, conditional statements, aggregate and window functions, subqueries, and common table expressions ([Medium](#)).

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

- Developed my data visualization and machine learning skills using Python libraries. I meticulously cleaned and processed the data using Numpy, Pandas, and Matplotlib. Utilizing encoding and scaling techniques from Scikit-learn, I transformed categorical and numerical features. Then, I trained and evaluated two popular classification models: Logistic Regression and Random Forest, by comparing their performance with Confusion Matrix and ROC-AUC Curve metrics ([Kaggle](#)).

Work Experience

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

Oct 21

- Developed several beer recipes for a startup, including a Brazilian award-winning beer (Brazil Beer Cup 2022).
- Led a team of 3 to efficiently operate a brewhouse and beer dispensing system, ensuring high-quality production.
- Created a spreadsheet system to streamline production and manage inventory, boosting efficiency and control.

Education & Certifications

Hashtag *Treinamentos* | Python *Impressionador* Course (181 hours)

Nov 22

- Python Fundamentals & Data Analysis (Numpy, Pandas) | Python integration with txt, pdf, email, 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