PEDRO VENTUROTT

Contact

Location:
Brazil (UTC-03)

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Links

Portfolio

GitHub

Medium

LinkedIn

Skills

- Python (Numpy, Pandas, Scikit-Learn, StatsModels, LifeLines, sktime, Tensorflow, MatplotLib, Plotly)

- **Machine Learning** (Logistic/Linear Regression, SVM, RF, Naive Bayes, KNN, Time-Series ML, Deep Learning, NLP, CV)

- **Data Processing and Cleaning**

- Data Scrapping

- SQL

- **Git**

- MATLAB

- C/C++

Languages

- English
- Portuguese

Summary

Self-taught Data Scientist with a focus on Machine Learning. Python lover and very interested in ML applied to the Tech Industry, especially Embedded Systems, Power Systems, Renewable Energy, NLP, and Computer Vision.

Experience

Machine Learning Engineer - 02/2021 to Present
Freelancing

- Worked on ML projects based on different client requirements involving Data Preprocessing, Time-Series Prediction and Recurrent Neural Networks.

Predictive Maintenance - 02/2018 to Present
Petróleo Brasileiro S.A. (Petrobrás)

- Developed an automated report generation for Thermography using Python, which reduced time to make reports by 80%.

Internship in Embedded Systems - 02/2018 to Present
Bitcast Engenharia e Sistemas Embarcados LTDA-ME

- Implemented a Version Control System that improved significantly the management of code developed within the company.

Education

B.S. in Electrical Engineering – 08/2010 to 08/2017
Federal University of Espirito Santo

Additional Coursework:

Machine Learning Course– 01/2019 to 02/2019
Stanford University on Coursera

Deep Learning Specialization– 01/2019 to 03/2019
Stanford University on Coursera

Projects

Vehicle Type Classification Using Simulated Trajectory Data – GitHub/Medium
Predicted type of vehicles based on simulated trajectory data with an achieved **F1-Score of 0.87**.

Music Genre Classification Using Waveform Features – GitHub/Medium
Classified music into 10 different genres using features extracted from waveforms with an achieved **accuracy of 68.5%**.

Character-level Short Text Generator – GitHub/Medium
Scraped sentences from the Star Wars Wikipedia Website and developed a short text generator using Deep Learning.

EDA on Candidate Distribution in Brazilian Election – GitHub/Medium
Performed an Exploratory Data Analysis on candidate distribution for Mayor and Councilor roles in the 2020 Election in Brazil.