Sebastian Gabriel Ponce de Leon

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Profile

Precise and meticulous thinker with innate dynamism in problem solving. Analytical, creative and with considerable curiosity about the causes of problems.

My objective is to develop myself and gain experience in the field of Data Science with special focus on modeling, machine learning and deep learning.

Experience

- **Data Scientist | Data Engineer | Data Analyst Red SOS SA | April 2022 – Present**

    - Task including advanced analysis of time series with classical methodology, machine learning and deep learning applied to the generation of predictive models. ETL and assembly of information cubes.
    - Preparation and maintenance of the resulting pipeline.
    - Creation of advanced webapps.
    - GIS analysis with Folium, Python and interactive graphic presentation with Altair.
    - Advisory tasks in Business Intelligence for the stakeholders.
    - Implementation and maintenance of projects in production with docker and Airflow.

    ### Last Project (Nov-2023):

    Preparation of a predictive model for effective communication of the delay in providing logistical services for the entire Argentine Republic.

    Particularly difficult challenge, due to the non-availability of geolocation of all the parties involved.

    Project stages:

    1 - Analysis and demonstration of the obsolescence of current zoning
    2 - Preparation of metadata for the proposed new zoning.
    3 - Reconfection of geometries.
    4 - Advanced time series studies for the identification of patterns.
    5 - Algorithm competition. Libraries such as Scikit-Learn, SKforecast, Keras, LGBM were used along with a hybrid of advanced conventional statistics.
    6 - Testing in development: The implementation was carried out on a Linux server. Development environments were replicated using Docker containers to ensure reproducibility and Apache Airflow was chosen as a task flow orchestration tool.
    7 - Put into Production: After successful testing in the development phase, the project was successfully put into production with an average daily ratio of around 93%.

- **Data Scientist / Data Analyst | Freelance | March 2018 – Present**
    - Independent analytical consulting tasks for La Mundial, Te & Co SRL, Micelas SA
    - independent projects (to consult projects, see gitHub repositories or consult my articles on Medium - see contact references.).

Education

- Python Data Science Mastery | 2021 | Data Science For Business (Tutor Isaac Gonzalez)
- Bachelor Of Mathematics | 2004 - 2009 | Famaf (UNC) | Completed Up To The 5th Year Inclusive. Suspended.
- Java Programmer | 2008 | Proydesa Foundation (UTN Córdoba)
- Vb6 Programmer | 2007 | Inst. Mariano Moreno

Competence

- PYTHON programming: (Pandas, Numpy, Scikit-learn, Tensorflow, Keras, Mathplotlib, Seaborn, Plotly, Dash, Folium etc.);
- R programming;
- SQL;
- Microstrategy | Power BI | Tableau;
- Linux, Docker, Kubernetes, Airflow;
- English studies in the Faculty of Languages - Intensive modality - completed and approved 3 semesters equivalent to 3 years;
- Advanced knowledge Microsoft Office mainly Microsoft Excel and VBA programming;