



Calonge Federico Matias

Personal Data

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Professional Experience

AFIP - Data Scientist (feb. 2021 - present).

Tools and languages:

- Data Visualization and Data Modelling:
 - Superset - <https://superset.apache.org> (Data modeling and visualization tool through the use of charts and dashboards).
 - Qlikview.
- SQL (Building of queries in Superset).
- Python:
 - Assembly of Scripts to extend the functionalities of Superset
 - Scripting in Jupyter Notebooks for NLP, text mining and clustering projects.

Skills & main experience points:

- Extraction, transformation, analysis, modeling and visualization of data using Superset and Qlikview.
- Visualization of Dashboards on different datasets and for different areas: Presupuesto, Planificación, PMO.
- Work together with functional areas communicating the analyzes to those who are not specialists in the discipline.
- Investigation of features and versions of Superset.
- NLP and text mining projects:
 - Cryptocurrency detection: Use of text mining techniques to detect cryptocurrency declarations on text fields.
 - Apoc invoices detection: application of NLP and text mining on text fields (after pre-processing them) and application of machine learning models to detect apocryphal invoices.
 - Improvement of search tool for Aduana area: use of language models (NLP) and techniques for measuring similarity between texts to improve a search tool for customs positions.
- Clustering projects:
 - Assembly of clusters for Recaudación area: Assembly of datasets and application of K-means to segment taxpayers according to their payment compliance.
 - Assembly of clusters for Servicios al Contribuyente area: Assembly of datasets and application of K-means to generate taxpayer profiles according to payment methods and means of communication with AFIP.

Oracle - HCM & ERP Technical Consultant (dec. 2019 - feb. 2021).

Tools and languages:

- Modules Oracle HCM Cloud: Core, Recruitment.
- Modules Oracle ERP Cloud: Accounts Receivable (AR), Accounts Payable (AP), General Ledger (GL).
- Reporting with SQL and BI Publisher (intermediate-advanced).
- Extractions with API REST and HCM Extract through Web Services SOAP (basic-intermediate).
- Integrations with HDL (basic-intermediate).

Skills & main experience points:

- Reports HCM: Checklist - Past due activities, Termination, Interviews/questionnaires, Work Flows, Logs, Birthdays report, Core (Personal and Profile Data), Recruitment (Selection of Candidates - Feedbacks).
- Extractions with Web Services SOAP and HCM Extract for Absences and Times.
- Extractions with REST API.
- Integrations with HDL.
- Reports ERP: Bank reconciliation, Daily Book and Purchase Book taking into account taxes and withholdings applied.

Others:

- Assembling of technical documentation.
- Artificial Intelligence (AI) Committee: Data Analysis and implementation of Machine learning algorithms in Python (intermediate).

Other Accomplishments

Education:

- Undergraduate degree:
 - (2014 - present). National University of Avellaneda (UNDAV) - Computer Engineering with Orientation in Distributed Systems - In progress: 46 out of 47 approved subjects. Thesis in progress (oriented in Natural Language Processing -NLP- applied to Human Resources -Recruitment-).
- Courses:
 - (2020). UBA. Duration: 1 semester (8 hours per week). Subject "Organización de Datos". Oriented to Data Science (analysis and visualization of data, machine learning algorithms). Language: Python. Final Assignment Repository: https://github.com/FedericoCalonge/nlp_dissaster_tweet
 - (2020). UBA - ECI 33°. Duration: 15 hours. Natural language processing (NLP) with Artificial Neural Networks (ANNs). Exam Result: 8 (eight).
 - (2020). SADIO. Duration: 14 hours. Workshop on Artificial Neural Networks (ANN). Introduction to modeling. Introduction to ANN in R language. Fit and performance of models. Applications.

Languages:

- Spanish, native.
- English, intermediate - advanced (6th Year Cambridge Institute approved).

Github:

- <https://github.com/FedericoCalonge/>