

# MAXIMILIANO DIAZ BATTAN

DATA SCIENCE | MACHINE LEARNING | BBA

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## SUMMARY

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Business administrator more than 10 years of experience, specialized in accounting, finance, and banking. Nowadays, I work as an analyst, and on various occasions, as a data scientist.

I currently work independently, part-time, although I'm always open to new opportunities and challenges that will help me grow professionally in the dependent field. I can assist with all aspects related to data analysis/machine learning, leveraging my experience as an administrator to synthesize large volumes of data and extract valuable insights, always aiming to solve business problems.

## SKILLS

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**Languages:** Python, R, SQL, Excel.

**Libraries:**

- Data analysis: Pandas, Polars, Rapids (cuDF & cuPY), dplyr, Sqlite3, Numpy, Matplotlib, Seaborn, Plotly, Dash, ggplot2, and more.
- Machine Learning: Sklearn, Rapids (cuML), XGBoost, LightGBM, Catboost, Interpret, Tabnet, Optuna, Feature Engine, SHAP, Streamlit, etc.
- Deep Learning: Pytorch, Pytorch Lightning, Timm, SMP, Albumentations, Transformers, etc.
- Other skills: PowerBI, Git & Github, Docker, Linux.

**BBA:** Banks, treasury, administration, and accounting.

## RECENT WORK EXPERIENCE

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**Freelancer** | Consultancy

**Feb 2018 – Present**

- Handling and extracting insights from large volumes of data using tools such as Pandas, Polars, or cuDF.
- Developing pipelines to optimize processes, utilizing libraries such as Pandas, Scikit-learn, Feature Engine, etc.
- Modeling and interpreting models using Scikit-learn, XGBoost, LightGBM, Catboost, Shap, and others.
- Data visualization, especially with Plotly, Dash, Excel, or PowerBI to effectively communicate findings.
- Application of optimization and tuning techniques with tools like Optuna, Scikit-learn, Skopt, to maximize model performance.
- Active collaboration in the data community, through platforms like Kaggle, DrivenData, etc., participating in analytics, machine learning, and deep learning competitions, to gain more experience in real-world problems and stay updated.

## EDUCATION

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**Instituto Universitario Aeronáutico** | Bachelor of Business Administration

## PROJECTS

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In relation to projects, I have several dashboards published on [GitHub](#), which I have created with Python and Dash or in Excel. In addition, on [Kaggle](#) I published numerous Jupyter notebooks that cover a bit of everything, data cleaning and exploratory data analysis, modeling, pipelines for both Machine and Deep Learning. You can also check out my [portfolio](#), which I made with Streamlit, where you will be able to find the aforementioned but structured for easy reading.