Manuel **Berea**

Data Analyst · Mathematician · MSc. in Data Science

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Skills

Programming	R · Python · SQL · Matlab · Scala · LaTeX · Git and Version control · Excel/VBA
Analytics and ML tools	Jupyter · Numpy · Pandas · Scikit-learn · XGBoost · Keras · Shiny · Tableau · PowerBI · A/B Testing
Technical ML	ETL · Regression · Classification · Clustering · Ensemble methods · Deep Learning · NLP · Time Series analysis
Environments	PostgreSQL · Amazon Redshift · Amazon S3 · PySpark · Agile methodology · Jira
Languages	Native Spanish · Fluent English

Work Experience

Allianz Technology *Barcelona, Spain. Online*

Bussines Analyst - Freelance *March 2024 - Current*

- Data extraction, storage, and cleaning of unstructured survey results, with API connections to the InMoment platform.
- Design and presentation of CX survey insights in Power BI for various stakeholders.
- Development and automation of the employee satisfaction survey across the entire Allianz group. Sending over 50,000 monthly invitations, covering different services in 5 selectable languages.

Intrum *Málaga, Spain. Online*

Data Analyst *July 2022 - Current*

- Valuation and analysis of portfolios for more than 12 unsecured NPL teams in different countries in Europe.Prepare Investment Memorandum reports.
- Development and maintenance of Shiny applications, automating the current group process in an interactive and user-friendly environment.
- Improving and maintaining portfolio analysis and valuation procedures with R. For example, enhancing the process of modeling legal proceedings and their returns.

BBVA *Madrid, Spain*

Big Data Analyst *December 2021 - July 2022*

- Desing structure of the bank tables which feed the most popular bank app in Spain (BBVA bank app). Also, planning, designing and testing the ETL process of massive data with SQLSpark, all in an agile working environment.

Cognodata consulting *Madrid, Spain*

Data Analyst *April. 2021 - December 2021*

- Measuring and testing of the loyalty campaing program for supermarkets Consum one of the best loyalty programs in the Spanish market.
- Design customer satisfaction surveys and dashboards to manage responses with Tableau.
- Maintaining and developing Amazon Redshift data ETL.
- Oficial Tableau Certified Associate Consultant.

Education

UNED *Online*

M.Sc. in Big Data and Data Science aplied to Economics and Bussines management *Jan. 2025 - Dec. 2025*

- Thesis in Numerical methods for differential stochastic equations and applications.

Universidad Internacional de La Rioja. UNIR *Online*

M.Sc. in Computational Mathematics *Feb. 2022 - Mar. 2024*

- Thesis in Numerical methods for differential stochastic equations and applications.

Universidad Complutense de Madrid. UCM *Madrid, Spain*

M.Sc. in Big data and business analytics, Data Science *Feb. 2021 - Feb. 2022*

- Thesis in Time Series Analysis and forecasting.

Universidad Autónoma de Madrid *Madrid, Spain*

B.S. in Mathematics *Sep. 2014 - Jun. 2020*

- Thesis on Markov inequality for polynomials.