Carmine **Minichini**

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Summary

Data analyst/scientist with a strong background in applied statistics and statistical modeling. Skilled in SQL, Python and R with a focus on time series analysis and clustering applications. Experience in developing ETL pipelines and transforming complex data into actionable business insights.

Work Experience

Amazon   *Piacenza*
BUSINESS ANALYST   *Oct. 2021 - Present*

- Part of Amazon's HR centralized team, supporting global HR operations through analytics tools development and data solutions
- Designed and implemented ETL pipelines using AWS services **(Glue, Redshift, S3, Lambda)** and Spark SQL
- Automated business processes using RPA (UiPath, Python, VBA), delivering 2,000+ annual hours in time savings across multiple teams
- Developed econometric forecasting models using **Python** and **Nixtla** framework

Diennea S.R.L.   *Faenza*
DATA SCIENTIST   *Feb. 2021 - Oct. 2021*

- Developed and maintained data extraction pipelines using **Knime**, **Python** and **SQL**
- Performed data analysis for email marketing and marketing automation campaigns
- Conducted marketing analytics using **Google Analytics** and ML techniques
- Created interactive dashboards using **PowerBI** and Google Looker Studio

Skills

Programming	Python, R, SQL, VBA, Javascript, HTML/CSS
Data engineering	AWS Glue, AWS S3, AWS Lambda, Amazon Redshift, Spark SQL
Business Intelligence	PowerBI, Tableau, QuickSight, Looker, Google Analytics
Tools & Technologies	AWS, Git, UiPath, Knime, LaTeX
Languages	Italian, English

Projects

carminemnc.github.io
DEVELOPER

- Personal website containing scientific articles, notebooks and projects on various fields from classical statistic theory to Machine Learning approaches. Build using **Quarto**, an open source scientific and technical publishing system

causalwiz
DEVELOPER

- **R** package for causal inference analysis. It provides tools for estimating treatment effects using various statistical methods, including inverse probability weighting (IPW) and augmented inverse probability weighting (AIPW)

Education

Alma Mater Studiorum - University of Bologna   *Bologna*
MASTER IN FINANCIAL, ACTUARIAL AND STATISTICAL SCIENCES   *Sep. 2018 - Jun. 2021*

Federico II - University of Napoli   *Napoli*
BACHELOR IN STATISTICAL SCIENCES   *Sep. 2014 - Sep. 2017*