

# 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

<b>Programming</b>	Python, R, SQL, VBA, Javascript, HTML/CSS
<b>Data engineering</b>	AWS Glue, AWS S3, AWS Lambda, Amazon Redshift, Spark SQL
<b>Business Intelligence</b>	PowerBI, Tableau, QuickSight, Looker, Google Analytics
<b>Tools &amp; Technologies</b>	AWS, Git, UiPath, Knime, LaTeX
<b>Languages</b>	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 methods, including inverse probability weighting (IPW) and augmented inverse probability weighting (AIPW)

### datasage

DEVELOPER

- **Python** library that provides a collection of tools for data analysis and machine learning. The package includes functionalities for data preprocessing, predictive modeling and advanced visualization, with a particular focus on ease of use and efficiency.

## 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