

Dr. DANIELE BERNARDINELLI

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Skills Summary

- Experience using data science and machine learning in research and commercial settings
- Proven ability to devise appropriate analytics strategies to address client needs and deliver clear presentations and practical insights
- Experience in leading analytical and research projects as well as working as part of a team, relating to colleagues with different roles and backgrounds
- Strong academic background and 10+ year experience in data analysis, statistics and econometrics
- Expert R, STATA and SPSS user; good knowledge of Python, SQL, Power BI and Azure ML Services
- Microsoft Certified: Azure Data Science Associate (2021)

Experience

Senior Data Scientist / Product Owner

Oct 2021 – present

Cineca, Casalecchio di Reno (BO), Italy

- Supporting the management, update and development of Cineca's BI solutions, from data architecture and ETL processes to data visualisation and reporting
- Acting as point of reference between the Data Analytics team and the rest of the company for selected BI product lines and projects, maintaining and monitoring work priorities and backlog.
- Active role in defining, promoting and supporting the product and project roadmap for the team

Lead Data Analyst

Apr 2020 – Aug 2021

Costain, Maidenhead, UK

- Leading the development of analytics and data products to drive efficiencies across the company, with an initial focus on project management, procurement & contracts, logistics and carbon emission targets
- Developed a prototype model to flag emerging issues in project management and delivered a number of ad-hoc analyses ranging from payment auditing to the impact of Covid-19 on staffing and project delivery
- Mentoring junior analysts within the team and supporting collaboration with other technical teams across the company

Lead Statistical Analyst

Dec 2017 – Apr 2020

MaritzCX, High Wycombe, UK

- Delivered customer analytics and market research projects for large international clients, with particular focus on drivers analysis, predictive modelling, clustering and segmentation models
- Key role in expanding the team capabilities and analytical offering to respond to different client needs
- Responsible for ETL projects to deliver raw survey data to the company platform and make it accessible to our clients

Senior Statistician

Sep 2014 – Dec 2017

National Foundation for Educational Research, Slough, UK

- Led or contributed to a variety of research projects for high profile clients in the education sector and NFER's own research papers
- Contributed to shaping research project methodologies and led the development of analytical skills of junior researchers within the Centre for Statistics
- Line manager and mentor to junior researchers in the graduate program

Statistical Officer

Department for Education, London, UK

Apr 2012 – Aug 2014

- Trusted to deliver ad-hoc analysis and insight to ministers and senior civil servants
- Contributed to high-profile official statistical releases
- Created a location matching and analysis tool that substantially improved the productivity of my team in delivering routine reports and provided a new way to address a wider set of analytical issues

Education & Certifications

Microsoft Certified: Azure Data Scientist Associate	May 2021
University of Essex – PhD Economics	Oct 2006 – Jan 2014
University of Essex – MSc Economics	Oct 2005 – Sep 2006
Bocconi University – BSc Economics and Social Sciences	Oct 1998 – Apr 2005

Technical Skills

- Expert R user: experience with key data management and data science libraries (e.g. dplyr, lubridate, stringr, car, ggplot2, shiny, caret, glmnet, MASS, randomForest, ranger, gbm, xgboost, mlr)
- Good knowledge of Python and the main data science stack (i.e. numpy, scipy, pandas, scikit-learn)
- Working knowledge of SQL, with experience in Microsoft SQL Server (and SSIS), Azure SQL and MySQL
- Expert STATA and SPSS user
- Experienced user of Microsoft Office applications and Microsoft Power BI
- Familiarity with Azure cloud services and Linux environment

Languages

- Italian (mother tongue)
- English (fluent)
- French, Portuguese (basic)