

ZARA SARI

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PROFILE

Data Analyst and Statistician with experience in government, healthcare, and research. Skilled in managing large, complex datasets and applying statistical methods to produce official statistics, dashboards, and peer-reviewed outputs. Adept at translating complex analysis into clear insights for both technical and non-technical audiences.

TECHNICAL SKILLS

Programming: R, Python, SQL, Power BI, Qlik Sense, SPSS, QGIS

Methods: Statistical Modelling, Data Visualisation, Machine Learning, Big Data

Industry Experience: Healthcare, Government, Business Analytics, Environmental

EMPLOYMENT

Statistician Mar – May 2025

Department for Environment, Food and Rural Affairs (DEFRA)

- Led pay equity analysis across protected characteristics (gender, ethnicity, age, etc.)
- Delivered insights through dashboards supporting fairness and policy decision-making

Statistician Feb – Mar 2025

Office for National Statistics (ONS)

- Developed admin-based population estimates from large linked datasets
- Built reproducible R/Python workflows for complex demographic modelling

Environmental Statistician Nov 2023 – Aug 2024

Map Impact

- Conducted geospatial and remote sensing analysis using QGIS and Python on satellite-derived environmental datasets (e.g. NDVI, NDWI, LAI)
- Performed correlation and regression analysis to explore links between temperature and algal bloom activity in Windermere Lake
- Cleaned and aggregated hex-grid habitat data across local authority areas

Data Analyst May – Sep 2023

EGL Travel

- Supported sales team to analyse data trends and optimise revenue streams

Data Science Project Lead Jan 2018 – Jan 2023

DataKind UK and Sobus

- Led a team of Data Scientists to deliver project for Sobus (mental health charity)
- Provided actionable insights using charity and ONS data

Statistician - Reporting Analyst May 2021 – Jul 2022
UK Health Security Agency (UKHSA)

- Automated weekly COVID-19 statistical reports for NHS Test and Trace (England)
- Queried large NHS datasets with SQL; built R pipelines for surveillance

Statistician/ Data Scientist Jan – May 2021
Freshminds

- Contract role for a digital education and course provider company (confidential)
- Revised product pricing using statistical methods to assist the sales department

Analyst Statistician Sep – Dec 2020
OBH (Outcomes Based Healthcare)

- Extracted, cleansed and analysed data from electronic health records (EHRs)
- Produced visual representation of NHSE - NHS Digital data and EHRs
- Used modelling and forecasting tools to predict mortality risk of COVID-19

Senior Data Analyst Aug 2019 – Feb 2020
Domestic and General

- Built Power BI dashboards and applied statistical methods to customer churn data

Analyst Statistician Mar 2014 – Apr 2019
Thatcham Research

- Published paper on a large project which proved cars with Autonomous Emergency Braking are safer by modelling motor insurance claims (in SPSS)
- Created dashboards in Qlik Sense using ONS monthly data to monitor industry safety trends

EDUCATION

Team Leadership Certificate 2018
Newbury College, Distance Learning Course

MBA International 2012 – 2013
Anglia Ruskin University, London campus

MSc Statistics with Medical Applications 2010 – 2011
University of Sheffield

- MSc Dissertation: Lung Cancer Risk Prediction with SCHARR (Sheffield Centre for Health and Related Research). Applied Bach and Liverpool Lung Project models to hospital data; conducting ROC/AUC analysis and model comparisons in R

BSc (Hons) Actuarial Science 2003 – 2006
University of Kent