ZARA SARI

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PROFILE

Data Scientist and Statistician (MSc in Statistics with Medical Applications). Experienced in health outcomes research, epidemiological methods, and large-scale NHS/government datasets. Skilled in R, Python, SQL, and Power BI for data wrangling, modelling, and automated reporting. Strong communicator with a track record of producing national dashboards and statistical reports under strict information governance.

TECHNICAL SKILLS

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

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

Industry Experience: Healthcare, Government, Business Analytics, Public Sector

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 to support pay policy

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

- Geospatial and remote sensing data analysis on environmental data
- Correlation analysis on temperature and algal bloom in Windermere lake

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

M.B.A. International

2012 – 2013

Anglia Ruskin University, London campus

M.Sc. 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

B.Sc. (Hons) Actuarial Science

2003 – 2006

University of Kent