

# ZARA SARI

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## PROFILE

Data Analyst and Statistician with expertise in various industries, including healthcare, government, and business. Skilled in statistical modelling, data automation, and analytics. Adept at simplifying intricate data for diverse stakeholders. Experienced in working with large datasets and delivering timely, impactful results.

## COMPUTER SKILLS

- **Technical Skills:** Statistical Modelling, Data Automation, Python, SQL, R, Data Visualisation (e.g. Tableau, Power BI), Machine Learning, Big Data
- **Industry Experience:** Healthcare, Government, Business Analytics, Public Sector
- **Soft Skills:** Leadership, Communication, Collaboration, Project Management

## EMPLOYMENT

### Statistician

March 2025 - May 2025

Department for Environment, Food and Rural Affairs (DEFRA)

- Led pay equity analysis across protected characteristics (gender, ethnicity, age, etc.)
- Created data tables and visualised complex interactions
- Delivered dashboards and clear summaries: support pay equity strategy
- Built statistical models and dashboards to identify drivers of pay gaps using R
- Developed reusable R scripts for modelling workflows and visualisations.
- R packages used: dplyr, tidyr, ggplot2, stats, MASS, lme4
- Led pay equity analysis across protected characteristics (gender, ethnicity, age, etc.) using GLM and ANOVA.
- Created data tables, visualised complex interaction effects, and built dashboards to support the pay equity strategy.
- Developed statistical models in R to identify key drivers of pay gaps.
- Wrote custom R functions and reusable scripts to streamline modelling workflows and visualisations.
- R packages used: dplyr, tidyr, ggplot2, stats, MASS, lme4

### Statistician

February 2025 - March 2025

Office Of National Statistics (ONS)

- Short term contract with Admin Based Population Estimate team (census data).

### Environmental Statistician

Sep 2023 - Sep 2024

Map Impact

- Conducted geospatial and remote sensing data analysis on environmental data.
- Conducted correlation analysis on temperature and algal bloom in Windermere lake.

**Data Analyst**

May 2023 - Sep 2023

EGL Travel

- Designed data models and trend analyses to 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 - July 2022

UKHSA - UK Health Security Agency

- Automated weekly COVID-19 statistical reports for NHS Test and Trace (England).
- Used SQL to query large datasets to generate critical public health insights.

**Statistician/ Data Scientist**

Jan 2021 - 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 2020 - 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

- Converted static excel sheets to visual powerBI reports to spot the latest trends.
- Applied Statistical technique to answer business questions eg. customer churn.

**Analyst Statistician**

March 2014 - April 2019

Thatcham Research

- Delivered a large project which helped prove cars with Autonomous Emergency Braking are safer by modelling motor insurance claims (in SPSS).
- Study results published for ESV (Enhanced Safety of Vehicles) conference.
- Analysed, standardised and manipulated large databases, providing insight that solves real world problems and influences decisions (Query data via SQL).

**Freelance Statistician and other experience**

Nov 2013 - March 2014

IAS (International Advisory Services)

- Statistical analysis on Likert-scale survey data, actionable report delivered.
- One on one Mathematics and Statistics tutorials for A-Level and University students

**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

Dissertation: Risk Modelling for lung cancer data using England hospital data (in R)

B.Sc. (Hons) Actuarial Science

2003 - 2006

University of Kent