

ZARA SARI

<https://zarasari.github.io> | www.linkedin.com/in/zarasari | <https://github.com/zarasari/>

PROFILE

Highly experienced Analyst Statistician with a decade of experience in delivering results and providing efficient data-driven solutions. Possess strong skills in statistical modeling and data analysis using Python, SQL, and SPSS. Passionate about utilizing problem-solving skills and continuously strengthening technical skillset.

COMPUTER SKILLS

- Python : Pandas, StatsModel, Seaborn, Matplotlib, Sklearn
- Data Techniques: Visualization, Regression, Machine Learning, Hypothesis Testing
- SQL, Git, Tableau, IBM SPSS Text Analytics, Excel, Access, PowerPoint, Word

EMPLOYMENT

Community Leader, Data Ambassador and Volunteer January 2018 - Present
Data Kind Charity (Ad-hoc role)

- Led a team of volunteers to provide non-profit organisations with actionable insights
- Currently supporting the organisation on the community team, currently working on DEI project (Diversity, Equality and Inclusion)

Statistician - Reporting/ Data Analyst May 2021 - July 2022
UKHSA - UK Health Security Agency

- Published weekly COVID-19 statistics for NHS test and trace (England)
- Automated data tables in R and Python, queried data from large databases via SQL, and managed version control using Git
- Navigated regulatory constraints in publishing within a policy-driven environment
- Publication ended due to government 'living with Covid' policy

Freelance Statistician January 2021 - May 2021
Freshminds

- Contract role for a digital education and course provider company
- Updated products pricing utilising statistical techniques to support sales department

Analyst Statistician September 2020 - December 2020
OBH (Outcomes Based Healthcare)

- Extracted and analysed secondary patient data using Electronic Health record
- Dealt with missing values and produced visual representation of NHSE - NHS Digital
- Utilised modelling and forecasting tools to predict mortality risk of COVID-19 using: Python, SQL
- Produced Kaplan-Meier plots and utilised Cox proportional hazards model

Senior Data Analyst
Domestic and General

August 2019 - February 2020

- Transformed static Excel spreadsheets into interactive PowerBI reports to identify current trends
- Utilized statistical techniques to provide answers to business questions
- Supervised and managed the workloads of two team members

Analyst Statistician
Thatcham Research

March 2014 - April 2019

- Delivered a significant project that demonstrated the safety benefits of cars equipped with Autonomous Emergency Braking, through the analysis and modeling of frequency and severity of motor insurance claims
- Study results published for ESV (Enhanced Safety of Vehicles) conference
- Leveraged SPSS, R and SQL to standardize, manipulate and extract meaningful insights from large databases, driving real-world problem-solving and decision-making
- Communicated complex data insights effectively to non-technical audiences through visually appealing PowerPoint presentations.
- Mentored and trained junior colleagues in the adoption of effective processes
- Automated monthly data tables QlickSense and Power BI

Freelance Statistician/ Data Analyst
IAS (International Advisory Services)

November 2013 - March 2014

- Statistical analysis for Likert scale (categorical) survey data

Personal Tutor

January 2008 - November 2013

- One on one Mathematics and Statistics tutorials for GCSE, A-Level and University

EDUCATION

Team Leadership Certificate Newbury College, Distance Learning Course	2018
M.B.A. International Anglia Ruskin University, London campus	2012 - 2013
M.Sc. Statistics with Medical Applications University of Sheffield Dissertation: Risk Modelling for lung cancer data using England hospital data	2010 - 2011
B.Sc. (Hons) Actuarial Science University of Kent	2003 - 2006