**Claire Franklin**

**Data Scientist**

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| **Skills.**   * Strong foundation in statistical theory and modelling, including regression analysis, classification, and risk assessment. * Proficient in software development in R and Python, including developing and deploying packages. * Experience in data visualization using tools such as ggplot2 and matplotlib. * Familiarity with database technologies such as SQL and NoSQL. * Experience working in cross-functional teams to deliver data-driven solutions. * Excellent communication and interpersonal skills, including the ability to explain complex concepts to non-technical stakeholders.   **Languages**  R · SQL · Python  **Tools and Utilities**  RStudio · shiny · SQL· Azure · Jupyter · AWS · git  **Education.**  **Master of Science in Engineering**  **University of Bristol 2010-2012**  Coursework included statistics, data analysis, and machine learning.  Developed a thesis on the application of machine learning to risk assessment in engineering.  **Bachelor of Science in Engineering**  **University of Cambridge 2008-2012**  Coursework included statistics, calculus, and engineering design.  Conducted research on the application of statistical methods to engineering design and optimization. |  | **Overview.**  As a data scientist with a background in engineering and expertise in statistical modelling, I have a proven track record of developing accurate and efficient algorithms for data classification and risk modelling. My experience includes developing and implementing machine learning models for data-driven decision making, building software packages, and working with large datasets. I am passionate about using data to drive business insights and make informed decisions.  **Professional Experience.**  **Data Scientist**  **Meta, 2017- Present**  Built and deployed machine learning models for classification and risk assessment using techniques such as logistic regression, decision trees, and random forests.  Developed software packages in R and Python to support data analysis and visualization.  Conducted statistical analyses on large datasets to identify trends and patterns, using tools such as hypothesis testing and ANOVA.  Worked with cross-functional teams to develop and deploy data-driven solutions that meet business needs.  Provided training and mentorship to junior data scientists on statistical modelling and software development best practices.  **Data Analyst**  **BBC, London 2012-2017**  Conducted statistical analyses on large datasets to identify trends and patterns, using tools such as regression and time series analysis.  Developed and maintained dashboards to track key performance indicators and provide insights to stakeholders.  Collaborated with cross-functional teams to develop data-driven solutions that improve business operations.  Worked with data engineers to develop data pipelines and ensure data quality. |