**Ben Pope**

**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 Python, R, and bash, including developing and deploying packages and data processing workflows.  Experience in machine learning using techniques such as decision trees and random forests.  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 experience in statistical modelling and machine learning, I am passionate about using data to make informed business decisions. With a proven track record of delivering results and experience in software development and data visualization, I am committed to staying up-to-date with the latest tools and techniques to provide the best possible outcomes.  **Professional Experience.**  **Data Scientist**  **Meta, 2017- Present**  Developed and deployed machine learning models for risk assessment using techniques such as decision trees and random forests.  Conducted statistical analyses on large datasets to identify trends and patterns, using tools such as hypothesis testing and ANOVA.  Developed software in Python, R, and bash to support data-driven decision making and data processing workflows.  Collaborated with cross-functional teams to develop and deploy data-driven solutions that met business needs.  Provided training and mentorship to junior data scientists on statistical modelling and machine learning best practices.  Designed and delivered interactive data visualizations to communicate key insights to non-technical stakeholders.  **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 dashboards to track key performance indicators and provide insights to stakeholders.  Conducted data quality checks and ensured consistency and accuracy of data.  Worked with data engineers to develop data pipelines and automated data processing workflows. |