



Ryan Pollard

MSC STATISTICS, DATA SCIENTIST WITH SEVEN YEARS EXPERIENCE ACROSS DIFFERENT INDUSTRIES.

Manchester, UK

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Technical Skills

Coding

R, Python, SQL, SAS, Stata, HTML, Tensorflow

Analytics

Machine Learning, Predictive Modeling, NLP, R Shiny, Time Series

Software

Jupyter Notebook, Pycharm, GIT, SAS, Streamlit, Docker, Google Cloud Run

Markup Languages

HTML, \LaTeX , RMarkdown

Current employment

Various organisations

FREELANCE DATA SCIENTIST @ UPWORK

Working remotely

June 2021 - Present

- Deployment of predictive models, data science tools and visualisations with various clients.
- 100% Job Success Rate and Top Rated Freelancer.
- NLP: Sentiment Analysis, Information Retrieval, Search Engines.
- Neural Networks.
- Web Scraping.
- R Shiny Dashboards - Dockerised for deployment.
- Medical Statistics.

Freelancer profile link: www.upwork.com/freelancers/rypoll

Education

University of Sheffield

MSC STATISTICS

Sheffield, United Kingdom

Sept. 2020 - Sept. 2021

- Machine Learning: Scikit-learn, Keras, Neural Networks, Supervised and Unsupervised learning.
- R Shiny.
- Time Series.
- Bayesian Statistics.
- Dissertation: Sentiment Analysis using Topic Modelling of Twitter data and it's impact on the stock market.

University of Manchester

BSC MATHEMATICS

Manchester, United Kingdom

Sept. 2007 - Sept. 2010

- Various statistical and probability modules elected.

Work Experience

Various clients

DATA SCIENTIST

Remote

Jun 2021 - Present

- Created a Neural Network using ensemble methods in order to predict gene behaviour.
- Dockerised the model into an R shiny application - allowing for users to upload new training data.
- Segmented bicycle-hire review data using LDA Topic Modeling and t-SNE in order to identify issues specific to certain regions.
- Involved in the building of a search engine that spans across medical literature in order to visualise aspects mentioned in the papers and how they correlate with other mentions (Network analysis).

Various schools

MATHEMATICS TEACHER | TRAVELING

Colombia | China

Jan. 2018 - July 2020

- Teaching Mathematics in Colombia and China.
- Travelling through Central/South America and Asia.

The Co-Operative Bank

Manchester, United Kingdom

SENIOR RISK MODELER

Feb. 2016 - July 2017

- Leading projects, communicating progress and new ideas with stakeholders, planning and executing the data-lead projects.
- Developing and maintaining credit risk statistical models.
- Analysing and investigating risk models, giving a greater understanding of how each one works within its portfolio, and how it can be improved.
- Running and creation of model dashboards.

British Gas

Manchester, United Kingdom

DATA MODELER

Mar. 2014 - Feb. 2016

- Building scorecards and ensuring their accuracy and compliance with model assumptions.
- Creation and running of ML models.
- Identifying opportunities, engaging stakeholders and building models such that the models improve processes within the business to recoup money more efficiently from the debt portfolio.

Adelphi Real World

Manchester, United Kingdom

STATISTICIAN

June 2011 - October 2013

- Undertaking different types of statistical tests on medical data that later went onto publications and medical journals in order to highlight pharmaceutical benefits and market opportunities.
- Various medical statistical techniques used with a focus on accuracy and obeying model assumptions, such as Survival Analysis, T-tests and other tests.
- Cleaning data to get it in a form to be tested.

Certifications

Databases and SQL for Data Science with Python

Coursera

Natural Language Processing: Machine Learning NLP In Python

Udemy

Publications

- *A cross-national examination of the association between behavioral, psychological, cognitive and functional symptoms on quality of life of people with Alzheimer's disease.* **R. Pollard**, A. Duhig, Sube Banerjee, S. Hass, J. Jackson.
- *Impact of morning symptoms experienced by COPD patients on exacerbation risk, rescue inhaler usage and normal daily activities.* **Ryan Pollard**, Mark Small, Sarah Broomfield, Steve Fermer.

Languages

- Spanish: B2 (Common European Framework of Reference for Languages: A1/A2: Basic User. B1/B2: Independent User. C1/C2: Proficient User)