Ryan Pollard

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

Manchester, UK

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Current employment

Various oranisations *Working remotely*

FREELANCE DATA SCIENTIST @ UPWORK *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 *Sheffield, United Kingdom*

MSC STATISTICS *Sept. 2020 - Sept. 2021*

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

University of Manchester *Manchester, United Kingdom*

BSC MATHEMATICS *Sept. 2007 - Sept. 2010*

- Various statistical and probability modules elected.

Work Experience

Various clients *Remote*

DATA SCIENTIST *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 *Colombia | China*

MATHEMATICS TEACHER | TRAVELING *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 modesl, 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 MI of 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.

Technical Skills

Coding	Analytics	Software	Markup Languages
R, Python, SQL, SAS, Stata, HTML, Tensorflow	Machine Learning, Predictive Modeling, NLP, R Shiny, Time Series	Jupyter Notebook, Pycharm, GIT, SAS, Streamlit, Docker, Google Cloud Run	HTML, LaTeX, RMarkdown

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)