

RYAN POLLARD

📍 Manchester, United Kingdom
☎ +44 7500 693 434
@ rypoll@gmail.com
🌐 www.upwork.com/freelancers/rypoll

SUMMARY

Data Analyst / Data Scientist

>> I am an experienced MSc Statistics, Data Analyst and Data Scientist with over six years in the industry, specializing in :

- Machine Learning (Scikit-learn, Keras, Neural Networks, Supervised and Unsupervised learning)
- NLP (Text Analysis, Sentiment Analysis, Topic Models, gensim, spacy, textacy, parts of speech analysis)
- Image Processing (Computer Vision)
- Dashboards
- Statistical Analysis
- Medical Statistics



>> Skills:

- R
- Python
- Pandas
- Numpy
- SQL
- SAS
- Stata
- HTML
- Tensorflow
- Machine Learning
- Predictive Modeling
- NLP
- R Shiny
- Time Series
- Jupyter Notebook
- Pycharm
- GIT
- Streamlit
- Docker
- Google Cloud Run,
- LaTeX
- RMarkdown

WORK EXPERIENCE

June 2021-Current

FREELANCE DATA SCIENTIST



 UPWORK
 United Kingdom

- 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

June 2021-Current

Data Scientist



 Upwork Freelancer
 United Kingdom

- 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

January 2018-July 2020



MATHEMATICS TEACHER

 TRAVELING
 United Kingdom

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

February 2016-July 2017

SENIOR RISK MODELER



 The Co-Operative Bank
 Manchester, United Kingdom

- 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.

June 2011-October 2013

STATISTICIAN

 Adelphi Real World
 Manchester, United Kingdom

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.

EDUCATION

2020-2021

MSC

 University of Sheffield
 Sheffield, United Kingdom



University of SheffieldSheffield, United Kingdom

MSC STATISTICSSept. 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 its impact on the stock market.
- STATISTICS

2007-2010

BSC

 University of Manchester
 Manchester, United Kingdom

University of ManchesterManchester, United Kingdom

BSC MATHEMATICSSept. 2007 - Sept. 2010

- Various statistical and probability modules elected.
- MATHEMATICS

SKILLS

Bayesian Data Science Latent Dirichlet Allocation LDA Machine Learning Natural Language Processing
NLP Sentiment Analysis Coding Git HTML Natural Python Keras Pycharm Tensorflow
Shiny WEB Scraping Bayesian Statistics Linear Discriminant Analysis Neural Networks T-
Distributed Stochastic Neighbor Embedding T-SNE Network Analysis Search Engine Deployment SQL
Docker SAS Neural Neural Network Credit Risk Statistics Engines Serial Attached Scsi
Teaching Scraping Real World

CERTIFICATIONS

Natural Language Processing: Machine Learning NLP In PythonUdemy

Databases and SQL for Data Science with PythonCoursera

HONOURS AND AWARDS

Various statistical and probability modules elected

LANGUAGES

Spanish - Intermediate English - Intermediate