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Top Skills

Outcomes Research
Stata
Clinical Trials

Publications

Impact of morning symptoms experienced by COPD patients on exacerbation risk, rescue inhaler usage and normal daily activities

A cross-national examination of the association between behavioral, psychological, cognitive and functional symptoms on quality of life of people with Alzheimer's disease

Ryan Pollard

Data Analyst | Data Scientist | Artificial Intelligence
London

Summary

>> I am an experienced MSc Statistics, 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

>> 100% Job Success rate on Upwork as a freelance Data Scientist as seen here:

<https://www.upwork.com/freelancers/rypoll>

>> Over six years' experience in the Data Science and Statistics field within various industries focusing on providing value through problem-solving and statistical analysis.

>> Take a look at some of my personal websites:

<https://www.upwork.com/freelancers/rypoll>

github.com/rypoll

rappoll.wordpress.com

Experience

Upwork

8 months

Data Analyst | Data Scientist

June 2021 - Present (7 months)

Data Scientist

May 2021 - Present (8 months)

Shanghai Real Estate School
IELTS Teacher
September 2019 - May 2020 (9 months)
Shanghai City, China

The Co-operative Bank plc
Senior Modeler
February 2016 - September 2017 (1 year 8 months)

- Developing and maintaining high-quality models.
- Managing stakeholders and third-party clients to create new predictive models within operational, impairment, capital and forecasting risk.
- Using statistical modelling procedures that are used to build predictive models.
- Proficient use of analytical tools like SAS and R to deliver models that meet the regulatory requirements of CRR, IAS39 and IFRS9.
- Analysing and investigating each risk model, giving a greater understanding of how each one works within its portfolio, and how it can be improved - using PD, EAD, LGD
- Running and analysing model monitoring on a quarterly basis
- Being responsible for building and running pre-existing models – in the process understanding the build of the model from its raw data into final financial figures that eventually lead into ICAAP and are reported to the PRA – specifically these are:
 - Concentration risk model, sectoral and single name risk (Gordy) - using simulations
 - Collective Provisioning
 - Forecasting and Stress Testing – working with transition matrices, economic scenarios and balance sheets in order to report projected capital requirements.

British Gas
2 years 1 month
Predictive Modeller

February 2014 - February 2016 (2 years 1 month)

Credit Risk Analyst in the Predictive Modelling team

Building predictive models from raw data across the credit portfolio for residential and commercial areas in order to segment customers and improve efficiency of various processes.

Within the development of scorecards, worked within the full life-cycle of a model build, including:

Identifying opportunities to utilise scorecards to the benefit of processes

Engaging stakeholders to keep within their strategy and ensuring the buy in of the process owners

Data pulling from various parts of the business to maximise predictiveness and completeness of the model

Building the scorecard within SAS Eminer and qualifying model assumptions

Validating and documentation of models

Building and monitoring MI on models using Logodds, KS statistic and the Gini statistic to establish the models' power as it ages

Credit Risk Analyst

February 2014 - January 2015 (1 year)

Manchester

Technical skills gained:

SAS (extracting, manipulating and presenting data)

Excel (Complimenting SAS pulled data – vlookups, hlookups, pivot tables, various functions)

Responsibilities:

Collections strategy analysis

Creation of MI routines to analyse performance

Ad-hoc requests to support maintenance and improvement of the operation

The role placed within a Credit Risk department with a purpose to improve processes and introduce strategies in order to most effectively help clients to prevent and manage their debt.

Working in Early Collections, my focus span the breadth of the customer debt journey; through this gaining a knowledge and network of the surrounding areas of collections.

By exploring different processes, such as dialling patterns, house visits, warrants and other collection strategies, I have explored and readied data that has driven changes within the business in order to increase efficiency and improve the customer relationship.

To support these changes, I was responsible for proposing data analysis plans, to carry out those plans in the form of data manipulation and data gathering and then to present the finding to stakeholders of the process. For example, I was responsible for the creation of a new dashboard which would deliver more insight into individual dialler campaigns in terms of cash collected and other metrics. This dashboard was used within many different operations of the business.

Obtained a strong experience in soft and hard skills in equal amounts. My time was split between coding within SAS to pull and present data for strategies that we have proposed and liaising with different departments and third party clients to collaborate with on those strategies. This role afforded me a better understanding of business from a financial and client perspective.

Adelphi Group

Statistician

June 2011 - December 2013 (2 years 7 months)

Working for a pharmaceutical market research agency, performing statistical analyses on large, point in time, observational databases across a number of disease areas.

Analyses include:

- Univariate Tests
- Regression
- Cluster Analysis
- Random Forests
- Multiple Imputation
- Weighting
- Survival Analysis

Programs used:

- Stata

- SAS
- Excel
- R
- SPSS

Education

The University of Sheffield

MSc Statistics, Statistics · (2020 - 2021)

The University of Manchester

Bachelor of Science (BSc), Mathematics · (2007 - 2010)

Cardinal Langley High School

A Levels