ADAM RAWLES

SKILLS

R

5+ of experience both using and teaching the R programming language.
Experienced in applying various statistical methods with R. Ability to build and implement machine learning models using TensorFlow and the `keras` interface.

Data Analysis

Highly skilled in data presentation and reporting. Extensive experience in data extraction from SQL databases and experience with database design and maintenance.

Development

Many years of experience using development-workflow tools including Git, Github and Azure DevOps/ Experience creating and maintaining build and release pipelines with GitHub Actions, TravisCI and Azure DevOps Comfortable creating and using containers in both a Windows and Linux environment

Testing

Experience both writing and performing test cases across a number of different systems

Project Management

Time, people and resource management skills developed by project managing a mid-sized IT project

PROFESSIONAL EXPERIENCE

2019 | Current

Data Analyst

Guernsey Financial Services Commission ⚲ Guernsey, CI

• Recreated and automated the generation of various data reports using R.

• Created a Shiny-based UI for users to interact with the report generator.

• I was the lead developer for a project utilising machine-learning and advanced modelling to improve financial regulation

• Developed and implemented a tool to flag problematic documents to supervisors based on a neural-network model

• Implented a completely custom R repository that utilised automatic-building tools and a RESTful API

• Further developed and delivered R training materials (teacheR and opeRate)

Adam Rawles

CONTACT INFO

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○ github.com/ARawles

For more information, please contact me via email.

PROJECTS

teacheR

A book aimed at beginners to the R programming language. Hosted at https://teacher.arawles.co.uk.

BMRSr

An R package that provides functions to better access the Balancing Mechanism Reporting Service API provided by ELEXON. Documentation hosted at https:///bmrsr.arawles.co.uk.

faviconR

An R package providing a set of lightweight wrapper functions to the RealFaviconGenerator.net API, used to generate favicons.

Last updated on 2021-02-08.

2018
|
2019

Graduate Data Analyst
ELEXON   📍 London, UK

• Performance Assurance Review team

  • Implemented a new risk simulation, utilising a Monte-Carlo methodology in R to better estimate the financial cost associated with specific risks.

• Market Analysis team

  • Automated and updated market reports, allowing them to be automatically published to the ELEXON website with custom HTML widgets to allow for greater user interaction.
  • Developed an R package to facilitate the extraction of energy-related data from the Balancing Mechanism Reporting Service API provided by ELEXON called BMRSr.

• Test team

  • Designed and executed test suites for a purpose-built in-house system

• First developed materials to teach R to beginners that would eventually become the teacheR and opeRate books.

🎓 EDUCATION

2014
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2018

Cardiff University
First Class Honors - BSc. Psychology   📍 Cardiff, UK

Project: An Evaluation of Spatial Representations of Order and the Efficacy of Online Studies

• Designed an online and lab-based version of a cognitive psychology experiment testing the relationship between actual and represented differences between items in a list.
• Extended the functionality of the developing PsychoJS software to run the experiment online.
• Analysed the difference in responses between the online and lab versions of the study as a secondary research topic.