ADAM RAWLES

💼 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
- 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)

2018 | 2019

Graduate Data Analyst
ELEXON   📍 London, UK

- Performance Assurance Review team

  - 6 months
  - 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.

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

🎓 EDUCATION

2014 | 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.

[Adam Rawles](#)

CONTACT INFO

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🐙 github.com/ARawles

For more information, please contact me via email.

SKILLS

5+ of experience both using and teaching the R programming language.

Experienced in applying various statistical methods with R, including generalised linear modelling and Bayesian modelling.

Ability to build and implement machine learning models using TensorFlow and the `keras` interface

Highly skilled in data presentation and reporting

Extensive experience in data extraction from SQL databases and experience with database design and maintenance.

Many years of experience using development-workflow tools including Git, Github and Azure DevOps

Experience creating and maintaining build and release pipelines using CI tools

PROJECTS

- **teacheR**
  A book aimed at beginners to the R programming language. Hosted at https://teacher.arawles.co.uk. This book also forms the basis for my R

- **opeRate**
  An advanced book focusing on applying R skills to data analysis projects. Hosted at https://operate.arawles.co.uk.

- **BMRSr**
  An R package that provides functions to better access the Balancing Mechanism Reporting Service API provided by ELEXON. This API allows access to a large repository of historical and realtime energy-related data. 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.