

# ADRIAN WISNIOS

## CAREER OBJECTIVE

I am a curious and conscientious individual with a strong technical background striving to translate data into a language understandable by wider audiences via effective data processing, modelling and visualisations. I aim to enhance my professional skills whilst bringing statistical and programming expertise to your team.



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Bristol

## EXPERIENCE

### DEPARTMENT FOR EDUCATION

#### *Higher Education Analyst, from Jan 2024*

- Supporting the development and maintenance of the graduate loan repayment models, in particular the Advanced Learner Loan (ALL) model.
- Refactoring the tool to translate model simulation outputs into finance and reporting metrics which uncovered several key issues with current workflows and processes.
- Automating the data preprocessing and collation for the annual [Student loan forecasts for England](#) publication adhering to the [reproducible analytical pipeline](#) principles.
- Producing and communicating the latest forecast to a range of stakeholders, including senior official from across government and external bodies such as the [Office for Budget Responsibility](#).
- Automating UG, PGR, PGT, and ALL model outputs collation and standardising the results for Model and Funding Boards.
- Supervising and assisting with building a data processing pipeline for the [Office for National Statistics](#) enquiries.
- Building knowledge of the loan repayment system, and how changes to policy and macroeconomic determinants affect financial outcomes for both the state and the student.

#### *Data Scientist (GORS badged), Sep 2022 – Jan 2024*

- Developing data transformation pipelines and Power BI dashboards for the £560 million national [Multiply - Skills for Life](#) program, designed to enhance numeracy skills among adults across the country.
- Building advanced Shiny application automating laborious tasks and enabling centralised generation and distribution of the report cases classified as national concerns.
- Facilitating automation and continuous development of the current ways of working and providing theoretical and technical expertise tailored to non-technical audiences.
- Utilising various data sources to gain insights and assist with ad-hoc data requests through SQL extraction and manipulations.
- Producing, maintaining and documenting the Power BI [Skills Bootcamp](#) dashboard supporting project delivery. Working with both internal and external customers.
- Cooperating with colleagues across the department to provide bespoke industry solutions, enhancing trust and schools' conditions, and promptly responding to emerging challenges in the public sector.

### ABERYSTWYTH UNIVERSITY

#### *Finance Data Analyst, Jun 2021 – Aug 2021*

- Collecting, clearing, maintaining, visualising, and analysing stakeholders' data about future projects, grants, capital, and revenue spending.
- Enabling different financial scenarios simulations by priority amendments and automating their influence on the implementation waves and dates.
- Extracting the FTE numbers data for the benchmarking exercise.

## EDUCATION

### THE UNIVERSITY OF WARWICK

#### *MSc in Statistics, Distinction, Oct 2021 – Sep 2022*

- Dissertation (91%):** *The study of Business Operations of the Happy Linen Company with Spatial Analysis and Time Series Forecast Methods.*
  - I conducted a geospatial analysis of the customer base, identifying under/overperforming regions in sales and revenue by assessing their statistical significance. As a result, the company could implement a more effective marketing campaign.
  - I designed, developed and implemented a Shiny application with in-built, scalable and user-friendly predictive mechanisms, drastically reducing laborious weekly stock management considerations.
  - The dissertation was awarded the prize for the **best Department of Statistics master's project of the year.**
- Other Relevant Coursework:** Monte Carlo Methods (97%), Statistical Learning and Big Data (75%), Statistical Practice (87%).

### ABERYSTWYTH UNIVERSITY

#### *BSc in Pure Mathematics/Statistics, First Class*

#### *Honours, Oct 2018 – Jun 2021*

- Relevant Coursework:** Linear Statistical Models (99%), Stochastic Models in Finance (99%), Applied Statistics (94%), Numerical Solution of Partial Differential Equations (96%), Project in Statistics (86%).
- Awards & Honours:** 2021 IMA Graduate Prize (award issued for the best overall performance in mathematical qualification), Peter Hancock Scholarship, Polish Prime Minister Scholarship.

## TECH SKILLS

- R (Shiny, Rmd, Quarto)
- T-SQL
- LaTeX
- MS Excel and Power BI

## SOFT SKILLS

- Problem-solving and critical thinking
- Teamwork and communication
- Resourcefulness and creativity
- Diligence and attention to detail

## INTERESTS

- Time Series Modelling
- Data Analysis and Data Viz
- Machine Learning Applications
- Dancing (WCS)

Dr Martyn Parker; lecturer and dissertation supervisor; 01970 622758, [Martyn.Parker@warwick.ac.uk](mailto:Martyn.Parker@warwick.ac.uk)  
Dr David J Hughes MSc, PhD, CEng; mentor and advisor from the Peter Hancock scholarship; [dhughesny1@gmail.com](mailto:dhughesny1@gmail.com)