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.

adrian9.wisnios@gmail.com
Bristol
Visit my website!

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
Dr David J Hughes MSc, PhD, CEng; mentor and advisor from the Peter Hancock scholarship; dhughesny1@gmail.com