Jack Kennedy

Newcastle Upon Tyne, United Kingdom
PhD Student in Bayesian Statistics with application to renewable energy

 jcken95.github.io   j.c.kennedy1@ncl.ac.uk   jcken95

EDUCATION

PhD Statistics   **Newacstle University, UK**
Uncertainty Quantification in Complex Energy Systems Models   *September 2022*

Master of Mathematics and Statistics (First Class)   **Newacstle University, UK**
A Statistical Approach to Product Costing (work with Nissan)   *June 2018*

KEY SKILLS

Statistics
o Bayesian Inference & Applied Statistics
o Gaussian Process Regression
o Uncertainty Quantification

Programming
o R and Rstudio
o MATLAB
o Stan

Computing
o LaTeX
o Linux
o Git & GitHub

ACADEMIC PROJECTS

PhD Thesis   *Sept 2018 - Ongoing*
o Developing novel statistical methodolgy to analyse stochastic computer experiments.
o Working towards performing an a (subjectivist) uncertainty analysis for large offshore windfarms.

Masters Thesis   *Sept 2017 – May 2018*
o Collaborated with accountants from Nissan Motor Corporation to enhance the product costing process of their vehicles.
o Applied Machine Learning methods to help accountant detect errors in their large databases.
o Final result included a predictive model to cost vehicles, saving hundreds of hours per year and allowing data to be updated much more frequently.

EXPERIENCE

o Chair of Maths & Stats Student-Staff Committee 2017–18

AWARDS AND ACHIEVEMENTS

- Prize Winner - Best Talks of The Research Students' Conference
- Royal Statistical Society Prize for Outstanding Academic Achievement 2018