

# Jack Kennedy

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

🌐 [jcken95.github.io](https://jcken95.github.io)

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🐙 [jcken95](#)

## EDUCATION

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### PhD Statistics

*Uncertainty Quantification in Complex Energy Systems Models*

Newcastle University, UK

September 2022

### Newcastle University

*A Statistical Approach to Product Costing (work with Nissan)*

Newcastle University, UK

June 2018

## KEY SKILLS

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### Statistics

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

### Programming

- R and Rstudio
- MATLAB
- Stan

### Computing

- $\text{\LaTeX}$
- Linux
- Git & GitHub

## ACADEMIC PROJECTS

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### PhD Thesis

Sept 2018 - Ongoing

- Developing novel statistical methodology to analyse stochastic computer experiments.
- Working towards performing an a (subjectivist) uncertainty analysis for large offshore windfarms.

### Masters Thesis

Sept 2017 – May 2018

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

## AWARDS AND ACHIEVEMENTS

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- Prize Winner - Best Talks of The Research Students' Conference
- Royal Statistical Society Prize for Outstanding Academic Achievement 2018
- Chair of Maths & Stats Student-Staff Committee 2017–18