

Dr. James Edwards

STATISTICIAN · DATA SCIENTIST · OPERATIONAL RESEARCHER

07821 805836 | jamese1326@gmail.com | james-edwards.netlify.com/ | [jedwards24](https://www.linkedin.com/in/jedwards24)

Experience

University of Lancaster

SENIOR RESEARCH ASSOCIATE

2017 - 2019

- An industrial application in dynamic pricing
- Programmed a pricing algorithm

University of Lancaster

GRADUATE TEACHING ASSISTANT

2012 - 2017

- Assisting with tutorials and marking for units in Statistics, Probability, R, Latex, and Business Analytics.
- Course convenor for R programming

Education

University of Lancaster

PH.D. STATISTICS AND OPERATIONAL RESEARCH

2012 - 2016

- Details about thesis

University of Lancaster

M.RES. STATISTICS AND OPERATIONAL RESEARCH, DISTINCTION

2011 - 2012

University of Lancaster

M.SC. IN OPERATIONAL RESEARCH AND MANAGEMENT SCIENCE, DISTINCTION

2010 - 2011

The Open University

B.SC. MATHEMATICS AND STATISTICS, FIRST CLASS

2000 - 2008

- Studied part time due to illness

Key skills

R Expertise Rstudio, Markdown, Tidyverse, Shiny

Optimisation Sequential decision problems, dynamic pricing, stochastic optimisation

Machine Learning Statistical modelling,

Programming R, Git, \LaTeX

Publications

JOURNAL ARTICLES

- | | | |
|------|--|---|
| 2019 | Edwards, J. and Leslie, D. , Selecting Multiple Web Adverts - a Contextual Multi-armed Bandit with State Uncertainty. | <i>Journal of the Operational Research Society</i> |
| 2017 | Edwards, J., Fearnhead, P. and Glazebrook, K. , On the Identification and Mitigation of Weaknesses in the Knowledge Gradient Policy for Multi-Armed Bandits | <i>Probability in the Engineering and Informational Sciences.</i> |

BOOK CHAPTER

Grants

2014 **STOR-i research fund**, Organise UCLID conference

£6,000

2013 **Academic visit**, Funding for a two week visit by Peter Frazier to Lancaster University.

£2,000

Interests

Professional Optimisation, recommender systems, multi-armed bandits

Personal Cycling and fell running.