Utashi Fujimoto

Cratcliffe Apartments, Apartment B1 Room 1, 1 Oakholme Road, Sheffield, S10 3AE
+44(0) | ufujimoto1@sheffield.ac.uk

ABOUT

Passionate graduate statistician interested in applying his analytical skill-set to towards solving real-world problems.

EDUCATION

University of Sheffield	Sheffield, UK
Master of Science, School of Mathematics and Statistics, Statistics Major (2.1)	2020-2021
University of Georgia	Georgia, US
Student Exchange Program	2017-2018
University of Osaka	Osaka, Japan
Bachelor of Arts, School of Foreign Studies, English Major	2015-2020

TECHNICAL SKILLS

Machine Learning

- Solid understanding of common workflow for ML modelling including data wrangling, feature engineering and model evaluation
- Solid understanding of supervised and unsupervised machine learning algorithms
- Experience in ML model implementation using the common Python libraries such as NumPy, Pandas and Scikit-learn
- Experience in deep learning implementation via Keras and TensorFlow framework building data pipeline for large dataset using its Data API
- Knowledge on Gaussian Process and its application

Statistical Analysis

- Sufficient knowledge on basic statistical framework
- Analysis of time series data by using classical methods and alternative approaches such as Kalman filter and state space modelling
- Experience in Bayesian statistical modelling by using MCMC algorithms

Programming Language

- R
- Python
- Stan

DISSERTATION PROJECT

Extreme Value Analysis for Air Pollution Data with Non-Gaussian State Space Modeling

Extreme value theory is one of the most important statistical disciplines for the applied sciences. The focus of the dissertation is on the application of the theory in the analysis of pollution data. The project required effective time management, performing numerical analysis on the data set, and writing an academic report.

RIGHT TO WORK IN THE UK

Eligible for the new Graduate Immigration Route to work in the UK for 2 years without sponsorship