

SYAFRINA ABDUL HALIM

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EXPERTISE

Statistics, Applied Statistics, Statistical Modelling, Extremes

Syafrina Abdul Halim is a senior lecturer of Department of Mathematics, Universiti Putra Malaysia. She received her Bachelor of Science in Industrial Mathematics from Universiti Teknologi Malaysia (UTM) in 2008 and Master's Degree in Applied Statistics from University of Malaya in 2010. She received her PhD degree in Applied Statistics from Universiti Teknologi Malaysia (UTM) Kuala Lumpur. From 2008 to 2010, she was a Tutor in Pusat Asasi Sains University of Malaya (PASUM). She taught Mathematic subjects for foundation degree students which includes Calculus, Statistics and Linear Algebra. She was a former senior lecturer at the Kuliyyah of Engineering, International Islamic University Malaysia (IIUM) Gombak, Selangor, Malaysia from 2015 to 2017. She taught Numerical and Computational Statistics as well as Calculus for bachelor degree students. She secured an internal research grant in IIUM namely, Research Initiative Grant Application (RIGS) in 2016 and finished in 2017. Currently, her research financial is mainly sponsored by the PUTRA Research Grant.

Current Research Interest

- (i) Statistical modelling of extremes particularly on rainfall modelling using Extreme Value Analysis methods (i.e. Generalized Extreme Value, Generalized Pareto Distribution and Point Process)
 - evaluate the flexibility of models with different covariates in shape and location parameters (i.e. linear trend, quadratic, cubic, exponential or cyclic)
- (ii) Statistical Downscaling models
 - Weather Generator
 - Delta-Change Method
 - Quantile Transformation

LINK TO POSTGRADUATE FIELD OF STUDY:

Statistical Modelling of Extremes, Statistical Downscaling, Time Series Analysis

ADDITIONAL INFORMATION:

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