MINISTRY OF HIGHER EDUCATION

FACULTY OF COMPUTER SCIENCE AND MATHEMATICS
UMT

DR. SYERRINA BINTI ZAKARIA

SENIOR LECTURER

Dr. Syerrina Zakaria is a Senior Lecturer of Statistics at the Universiti Malaysia Terengganu since 2014. Her primary research of interests is in the fields of Spatial Analysis and Applied Statistics. Recently, she has been involved in statistical modelling in various field such as economics, socio-economics, demographics and educations.

RESEARCHER PROFILE

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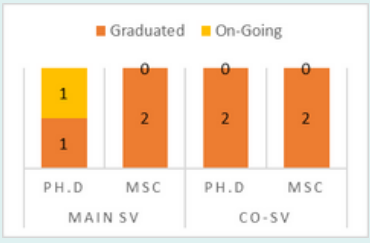
EDUCATION

- Phd in Applied Statistics, Univresiti Sains Malaysia
- Master in Statistics, Universiti Kebangsaan Malaysia
- BSc. in Acturial Science, Universiti Kebangsaan Malaysia

AREAS OF EXPERTISE

- Applied Statistics

SUPERVISION



COLLABORATORS

Jabatan Perangkaan MALAYSIA

SELECTED RESEARCH PROJECTS

- TAPE-RG. Covid-19 Pandemic: Constructing New Multidimensional Deprivation Index for Monitoring Poverty Status in Peninsular Malaysia. (2022-2024). RM20000.

SELECTED PUBLICATIONS

- **Zakaria, Syerrina**, et al. (2024). Examining the Pattern of Household Monthly Income and Expenditures by State in Malaysia. ECONOMICS, v 12 (3), Sciendo, pp. 175-187.
- Safie, N., & **Zakaria, S.** (2023). Examining the effectiveness of thinking maps usage byanalysing students' achievement in mathematics subject. Journal of AdvancedResearch in Applied Sciences and Engineering Technology, 31(1), 197–209
- Wan Mohamad Nawi WIA, K. Abdul Hamid AA, Lola MS, **Zakaria S**, Aruchunan E, et al. (2023) Developing forecasting model for future pandemic applications based on COVID-19 data 2020–2022. PLOS ONE 18(5): e0285407.
- **Zakaria, S.**, Sulaiman, N. F. C., Roslan, U. A. M., Alias, A., Malik, S. M. A., " Impact of Covid-19 Pandemic on Malaysian Socio-Economics: Statistical-Dynamical Approach", Journal of Mathematical Sciences And Informatics 3(1), (2023).
- K Abdul Hamid, A. A., Wan Mohamad Nawi, W. I. A., Lola, M. S., Mustafa, W. A., Abdul Malik, S. M., **Zakaria, S.**, Aruchunan, E., Zainuddin, N. H., Gobithaasan, R. U., & Abdullah, M. T. (2023). Improvement of Time Forecasting Models Using Machine Learning for Future Pandemic Applications Based on COVID-19 Data 2020–2022. Diagnostics, 13(6), 1121.

"Solving socio-eco problems using statistical analysis"