MUHAMAD SAFIIH LOLA
PROFESSOR

My research interests encompass a holistic approach to applied statistical modeling and machine learning, with a focus on marine science, aquaculture, environmental sustainability, eco-tourism, and econometric modeling. By leveraging advanced data analytics and hybrid methodologies, I aim to address complex challenges in these fields and promote practices that enhance both ecological health and societal well-being. My work strives to create sustainable solutions that foster economic growth, environmental stewardship, and social equity

CONTACT

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SELECTED RESEARCH PROJECTS

- Fundamental Research Grant Scheme (FRGS) from Ministy of Higher Education Malaysia. Fuzzy Parametric and Fuzzy Semi-parametric on Sample Selection Model (2011-2013). RM126,160:

- Ministry of Higher Education/UMT-NRGS. A System Dynamics Model for Analyzing the Eco-Aquaculture System with Policy Recommendations: A Case Study on Integrated Aquaculture Park (i-SHARP), Setiu, Terengganu, Malaysia. RM40,000.00.

- Private Partnership Research Grant (PPRG). RM40,000.00

SELECTED PUBLICATIONS

- Nurul Hila Z, Muhamad Safiih L*, Maman Abdurachman D, Fadhilah Y, Mohd Noor Afiq R, Aziz D, Yahaya I, Mohd Tajuddin A, (2019). Improvement of a time forecasting model using a novel hybridization of a double bootstrap artificial neural network, Applied Soft Computing, 84:1-19. WoS, Q1

- Fatin Amira Zamzuki, Muhamad Safiih Lola*, Elayaraja Aruchunan, Nurul Hila Zainuddin, Abd. Aziz K. Abd Hamid, Nor Aieni Mokhtar, Mohd Tajuddin Abdullah. The Delphi approach to evaluating the sustainability of homestay industry for the East Coast of Malaysia, Heliyon, 9(11).e21433. WoS. Q1

- Wan Imanul Aisyah Wan Mohamad Nawi, Abd. Aziz K. Abd Hamid, Muhamad Safiih Lola*, Syerrina Zakaria, Elayaraja Aruchunan, Nurul Hila Zainuddin, Wan Azani Mustafa, Mohd Lazim Abdullah, Nor Aieni Mokhtar, Mohd Tajuddin Abdullah. (2023) Developing forecasting model for future pandemic applications based on COVID-19 data 2020-2022, PLOS ONE 18(5): e0285407. WoS. Q1

- Hanani I, Mohd Noor Afiq R, Muhamad Safiih L*, Mhd Ikhwanuddin A, Mohamad N Azra, Mohd Tajuddin A, Syerrina Z, Yahaya I. (2021); A System Dynamics Model for Analysing the Eco-Aquaculture System of Integrated Aquaculture Park in Malaysia with Policy Recommendations, Environ Dev Sustain: 23: 511-533; WoS. Q2

- Abdul Aziz K. Abdul Hamid, Wan Imanul Aisyah Wan Mohamad Nawi, Muhamad Safiih Lola*, Wan Azani Mustafa, Siti Madhihah Abdul Malik, Syerrina Zakaria, Elayaraja Aruchunan, Nurul Hila Zainuddin, Gobithasan Rudrusamy, and Mohd Tajuddin Abdullah (2023). Improvement of time forecasting models using machine learning for future pandemic applications based on COVID-19 data 2020-2022, Diagnostics, 13(6), WoS, Q2

RESEARCHER PROFILE

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EDUCATION

- Ph.D in Econometric, USM
- Master in Applied Statistics, UPM
- BSc. in Economics, UUM

AREAS OF EXPERTISE

- Applied Statistics
- Hybrid Statistical Modelling
- Forecasting
- Machine Learning

SUPERVISION

	PH.D	MSC	PH.D	MSC
Graduated	8	10	2	3
On-Going	3	0	0	1
	MAIN SV		CO-SV	

COLLABORATORS

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