Mustafa Shebani Aboalyem

Personal Information:

Place of Birth:
Misurata, Libya

Date of Birth:
December 21, 1988

Nationality:
Libyan

Address:
Helal St. Misurata, Libya

Cell Phone:
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Marital Status:
Married

Languages:

Mother Language:
Arabic

Education Language:
English

Biography:

Mustafa Shebani Aboalyem holds a PhD from the School of Mathematical Sciences at Universiti Sains Malaysia, specializing in spatial analysis and GIS modeling. He also earned a Master's degree in Statistics from West Virginia University and is specialized in applied statistics. His research focuses on the application of advanced geospatial modeling techniques to analyze complex spatial patterns and sociodemographic determinants, particularly in the context of public health challenges such as the COVID-19 pandemic. With a strong commitment to academic excellence and research innovation, Dr. Aboalyem is dedicated to advancing the practical use of spatial analytics and applied statistics in addressing real-world problems.

Field of Interest:

- Survival Analysis.
- Design of Experiments.
- Time Series Analysis.
- Quality Control.
- Spatial Modelling.

Scientific Degrees:

- PhD Statistics, School of Mathematical Sciences, Universiti Sains Malaysia – George Town, Pulau Pinang, MY (2025).
- Master of science in Statistics, Statistics Department, West Virginia University – Morgantown, WV, USA (2017).
- Bachelor of Science in Statistics, Statistics Department, Faculty of Science, Misurata University – Misurata, Libya (2012).
- High School, Secondary economic of sciences, Sadoon High School – Misurata, Libya (2007).

Positions Held:

- Director of Information and Documentation Center, Misurata University, Misurata, Libya (December 2019- February 2022).
- Head of Department, Department of Statistics, Misurata University, Misurata, Libya (July 2018- March 2020).
- Assistant lecturer, Department of Statistics, Misurata University, Misurata, Libya (2018- now).
- Teaching Assistant, Department of Statistics, Misurata University, Misurata, Libya (2012 – 2014).
- Teacher, Secondary economic sciences, Sadoon High School, Misurata, Libya (2012).

Teaching Experience:

- General Statistics
- Statistical Packages
- Introduction to Probability
- Survival Analysis
- Quality Control
- Economic statistic
- Design and analysis of experiments

Research Publications:

- SHEBANI ABOALYEM, M., & ISMAIL, M. T. (2023). Mapping the pandemic: a review of GIS-based spatial modeling of COVID-19. Journal of Public Health in Africa, 14(11). https://doi.org/10.4081/jphia.2023.2767
- Mustafa Shebani Aboalyem, Mohd Tahir Ismail. A Spatial Epidemiological Investigation of COVID-19 in the MENA Region: Modeling Incidence and Impact Factors. Accepted in (Malaysian Journal of Science (MJS) 2600-8688).
- Mustafa Shebani Aboalyem, Mohd Tahir Ismail. Geospatial Analysis of COVID-19 Death Rate and Influencing Factors in the MENA Region. Accepted in (Journal of Biostatistics and Epidemiology 2383-4196).
- Mustafa Shebani Aboalyem, Mohd Tahir Ismail. Understanding COVID-19 Recovery Dynamics in the MENA Region: A Geospatial Analysis of Key Determinants and Implications. Accepted in (Book series: Studies in Systems, Decision and Control "Intelligent Systems Modeling and Simulation III" by Springer Nature).

Professional Skills:

- SAS.
- SPSS.
- R.
- Minitab.
- Microsoft office.