

# ICAWMSCS 2025: International Conference and Advanced Workshop on Modelling and Simulation of Complex Systems



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## Hands on Workshop- Biostatistics and Epidemiology

*Friday, 25 July 2025 08:30 (4h 15m)*

At the end of this workshop, participants will be able to

- explain basic statistical concepts and terminologies used in statistics and health sciences
- define research hypotheses, determine the appropriate research design, and evaluate evidence in support or against hypotheses
- evaluate the basic assumptions underlying common biostatistical tests used in health sciences research
- Identify which type of regression models should be utilized depending on the nature of the data at hand and the actual research questions to be answered
- determine the appropriate model-building strategies that should be used
- correctly interpret analysis results obtained from statistical software packages

**Presenter:** Prof. SAJOBI, Tolulope (Cumming School of Medicine at the University of Calgary, Calgary, Canada)