



F2MDS
**Franco-Moroccan
 Mathematics Days**
 Mathematics for Everyone and everywhere

Second Edition

13-16 MAY 2025

Statistics, Probability and Operational Research

Mini Symposium

Orgnizers: A. Abou-bakre, N. Lanjri and M. Marzougue

The fields of Statistics, Probability, and Operational Research have become increasingly vital in addressing complex challenges across industries, from data science and economics to healthcare and logistics. This mini-symposium aims to bring together researchers to explore the latest advancements and applications in these interconnected domains. Here are some Key Axes for this Symposium

- Statistical Inference and Model Development
- Latest techniques in statistical modeling and data analytics.
- Statistical inference in handling big data and complex datasets.
- Statistical inference in stochastic processes
- Advanced Topics in Stochastic Modeling e.g. Queuing Theory and Beyond
- Stochastic differential Equations and their applications
- Stochastic Models in Biology From Population Dynamics to Epidemiology
- Optimization in Operational Research
- Combinatorial optimization
- Stochastic optimization
- Heuristic and Metaheuristic methods