



University of Bahrain MICRO-CREDENTIAL



Data Analysis Using R

GENERAL INFORMATION

Duration: 6 Weeks

Total Hours: 40 hours (6 hours per week)

Venue: University of Bahrain

Fees: 80 BHD

Credits: 1 credits (statistics and Data Science)

Level: Undergraduate

Language: English

Pre-requisite:

Knowledge of basic statistical concepts

INSTRUCTOR BIOGRAPHY



Dr. Majeda Abdul Aziz Salman

PhD in Statistics, Western Michigan University, USA,

2004 Dr. Majida Salman areas of expertise are in multivariate rank regression, robust regression, and in linear models. She is an assistant professor at the mathematics department since 2004.



Micro-credential is a short, focused course designed to equip learners with specific skills and knowledge within a specialized area. It serves as a pathway to earning an equivalent certification for a core course, offering a flexible and targeted learning experience.

COURSE OVERVIEW

This micro-credential introduces participants to data analysis using the statistical software R. It combines lectures and practical exercises, enabling learners to understand R's structure, perform basic statistics, and create professional graphs. This hands-on workshop enhances the analytical skills needed for data-driven decision-making.

DELIVERY MODE

- In-person face-to-face contact with teaching staff (1 Theory hour per week)
- Online contact with teaching staff (4 hours R practice)
- peer-to-peer engagement and its mode (1-hour project collaboration)

ASSESSMENTS

- Assignments: 25%
- Quizzes: 25%
- Project: 50%

TARGET AUDIENCE

- Business analysts
- Students
- Researchers looking to enhance their data analysis capabilities
- Individuals needing a review of statistical analysis

KEY TOPICS COVERED

- Introduction to R & RStudio
- Handling Input and Output Files in R
- Descriptive Analyses
- Comparing Population Means
- Categorical Data Analysis
- Regression and Correlation



Scan the code
for Registration

For further Information, please contact:

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<https://microcredentials.uob.edu.bh/>