

PROGRAMME OVERVIEW

Multiple Regression Analysis (MRA) is widely used in developing financial and economic models. It provides a powerful tool to analyze multivariate economic and financial data. The goal of multiple regression is to enable a researcher to assess the relationship between a dependent (predicted) variable and several independent (predictor) variables. The end result of multiple regression is the development of a regression equation (line of best fit) between the dependent variable and several independent variables and conduct forecasting and policy analysis. The workshop not only deals with the different types of multiple regression but also techniques of solving the problems arise as a result of violating the classical assumption of the MRA.

OBJECTIVES

- To get oriented with the concept and application of Multiple Regression Analysis
- To get acquainted with the different regression specifications.
- To promote skills to deal with the problems encountered when building regression models.

PROGRAMME BENEFITS

At the conclusion of this programme, the participants would be able to:

- Understand the concept of Multiple Regression Analysis
- Conduct diagnoses for problems associated with Multiple Regression Analysis
- Developing solutions for the problems associated with multiple regression

APPROACH AND METHODOLOGY

- Lectures, Discussions, Power Point Presentations, Exercises, Hand-on Practices

TARGET AUDIENCE

- Academic Staff members of CBFS.

PROGRAMME TOPICS

- Concepts of multivariate regression analysis
- Basic assumptions of classical linear regression
- Functional Specifications
- U-Shaped Cost functions
- Cobb Douglass function
- Multicollinearity and misspecification problems
- Interpretation of the output

RESOURCE PERSONS

1. Dr. Omer Ali Ibrahim
2. Ms. Sonal Devesh

REGISTRATION

Please register confirming your participation through mail to Ms. Sonal Devesh, Researcher, Postgraduate Studies and Research Department through email sonal@cbfs.edu.om on or before December 16, 2017.

CERTIFICATE OF PARTICIPATION

The College will issue a “*Certificate of Participation*” on conclusion of the workshop subject to 100 percent attendance.

FOR FURTHER INFORMATION, PLEASE CONTACT:

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