

€ TRAINING

Analysis of Economic Data



11 - 15 November 2024
Rome (Italy)



Analysis of Economic Data

REF: F1406 DATE: 11 - 15 November 2024 Venue: Rome (Italy) - Fee: 5940 Euro

Introduction:

The course aims to provide superior specialization that allows access to a new level of knowledge and as a continuing education program for professionals who need to develop the skills offered by this new title as well. The Department of Information Technology and Analysis analyzes huge volumes in many branches of knowledge and in particular sections related to social sciences.

Course Objectives:

At the end of this course the participants will be able to:

- Provide the trainees with the necessary knowledge and information about the most important economic and social data and indicators, and the skills of analyzing economic and social data and presentation methods.
- A description of the types, sources, and economic data divisions at the level of the economy or sector and how to obtain them from different sources, methods of collecting these data, and the mechanism of classification.
- To help the trainees in determining the objectives of the economic analysis process, and then help in identifying the required data and their sources, then methods of collection easily and at the lowest costs and less time, and then identify the indicators that must be calculated so as to be used to serve the purpose of data analysis.
- Provide the trainees with the methods and skills of writing and presenting the results of the analysis in the form of reports and increase the rates of utilization.

Targeted Audience:

- Bodies and departments of statistics.
- field the preparation of the annual report in those institutions, and the field of economic and social studies.
- Central banking departments, the study and planning departments of government institutions, banking, and non-banking institutions, and Arab investment promotion bodies.
- The field of preparing annual reports in the social work institutions and all those whose work nature requires analyzing the economic data and writing the reports.

The field of economic media.

Course Outlines:

Unit 1:

- Massive data analysis techniques.
- Statistical learning and decision making.
- Social and economic networks.
- Economical data is huge.

Unit 2:

- Huge data and business management.
- Manage and store massive data.
- Extract data and text.
- New trends in data extraction.

Unit 3:

- Technical statistics with inaccurate information.
- Optimization techniques with inaccurate information.
- Statistical learning and decision-making process.

Unit 4:

- Simulation tools and massive sampling data.
- Time series analysis.
- Decision making and game theory.
- Financial and econometric with high-frequency data.

Unit 5:

- Data extraction applications for the tourism industry.
- Human Resource Management.
- Management of health organizations.