



Training Seminars & Conferences

An Intensive 5-Day Training Seminar On

# Advanced Applied Data Analysis

## Using Data Analysis to Improve Business & Investment Decisions

20 - 24 Jun 2021, Dubai  
12 - 16 Dec 2021, Dubai



[View Details](#)

[www.euromatech.com](http://www.euromatech.com)

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and ISO 29993:2017  
Certified Company

# Advanced Applied Data Analysis

## Using Data Analysis to Improve Business & Investment Decisions

### INTRODUCTION

This EuroMaTech training course provides you with the Advanced Data Analysis skills to become an effective Data Analyst capable of making sound investment & financial decisions for your personal and organisational benefit. The training course will improve your ability to plan, monitor and control the performance of your organisation and investments. This will strengthen your ability within the workplace, allowing you to understand, produce and evaluate data to support you in your role for the benefit of yourself and your organisation.

Delegates will work through practical case studies. With the aid of clear explanations, discussions and detailed material in both hard and soft copy, it will enable you to transfer advanced skills and knowledge to your workplace.

**In this EuroMaTech training course, participants will develop the following competencies:**

- Advanced Analytical skills to improve your understanding and decision making
- Communication skills supported by graphical and statistical analysis
- Advanced Excel skills to aid presentation and analysis of business data
- An ability to forecast data
- Advanced Statistical knowledge and skills
- An ability to apply Data Analysis Techniques to the workplace

### WHO SHOULD ATTEND?

- Professionals who wish to gain an Advanced knowledge of Data Analysis in order to improve their analytical skills and understanding of data
- Personnel in roles where they need to produce Advanced data analysis and / or use data to make decisions

### PROGRAMME OBJECTIVES

- Collect, Present, Analyse and Evaluate Data
- Develop and use Pivot Tables
- Analyse data using Data Analysis Tools in Excel
- Perform Linear Regression; Non-linear regression and Multiple Regression using Excel
- Apply Data Analysis Techniques to improve Project Management
- Apply Data Analysis Techniques to improve Financial Management

### TRAINING METHODOLOGY

This EuroMaTech training course makes extensive use of Excel and the Data Analysis Tools to provide you with Advanced Data Analysis skills. This combined with presentations, explanations, interactive practical exercises, supported by video materials will ensure delegates leave the programme as Advanced analysts.

### PROGRAMME SUMMARY

This EuroMaTech training covers the Advanced Data Analysis Techniques in order to make meaningful business decisions and improve efficiency & profits. This will strengthen your ability within the workplace, allowing you to make a significant impact as an advanced analyst, providing, using or evaluating data to improve performance, efficiency and profit.

# PROGRAM OUTLINE

## DAY 01

### Data Collection, Presentation and Analysis

- Data and Methods of Collecting Data
- Presentation of Data using Excel
- Statistical Analysis of Data – Mean, Median and Mode; Variance and Standard Deviation
- Probability – Binomial, Normal and Poisson Distribution
- The Limitations of Data and Data Analysis
- Confidence Intervals and Hypothesis Testing

## DAY 02

### Pivot Tables and Data Analysis Tools in Excel

- Pivot Tables – developing and using Pivot Tables to aid Decision Making
- Cross Tabulation and Chi-squared
- Data Analysis Tools in Excel – a detailed understanding
- ANNOVA, t-tests and Z scores
- Moving Average and Exponential Smoothing
- Advanced and Applied Solver and Goal Seek

## DAY 03

### Advanced Correlation and Regression

- Co-variance and Correlation
- Linear Regression
- Non-linear Regression
- Multiple Regression using Excel
- Statistically Testing Results
- Making Decisions – Project Planning, Estimating Costs; Reducing Risk

## DAY 04

### Project Management and Applied Data Analysis

- Forecasting Costs and Production levels
- Estimating Project Duration using Statistical estimates and P.E.R.T
- Network and Critical Path Analysis
- Economic Quantity Order Analysis – to optimise inventory levels
- Linear Programming and Optimisation Techniques to optimise resource allocation e.g. inventory and capital
- Earned Value Analysis – to identify Project Cost and Schedule Variances

## DAY 05

### Financial Management and Applied Data Analysis

- Analysing and Forecasting Volatility in the Market, e.g. Oil Prices
- Evaluating Suppliers, Competitors and Acquisition Targets using Data Analysis
- Developing Financial Models
- Cost, Volume, Profit Analysis
- Risk Management using Data Analysis
- Evaluating the impact of decisions on Return on Investment and Return on Equity

## IN-HOUSE TRAINING

EuroMaTech is capable of conducting this training programme exclusively for your delegates. Please e-mail us on [inhouse@euromatech.ae](mailto:inhouse@euromatech.ae) for further information and/or to receive a comprehensive proposal.

## QUALITY CERTIFICATIONS & ACCREDITATIONS

EuroMaTech is proud to be associated with the following accreditation bodies:



The PMI® Registered Education Provider logo is a registered mark of the Project Management Institute, Inc.

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✓	Date	Venue	Fee(\$)
	20 - 24 Jun 2021	Dubai	US\$4,950
	12 - 16 Dec 2021	Dubai	US\$4,950

*This fee is inclusive of instruction materials, documentation, lunch, coffee/tea breaks & snack. All Fees are subject to 5% Value Added Tax (VAT).\**

### Your Details

Name (Mr/Ms):.....  
Position:..... Organisation:.....  
Address:.....  
.....  
City / Country: .....  
Telephone / Fax: .....

### Mode Of Payment

- Please find enclosed a cheque made payable to EuroMaTech  
 Please invoice me  
 Please invoice my company as follows:

Contact Name: .....  
Company Name: .....  
Address:.....

#### Documentation

High Quality material has been prepared by the Seminar Leader for distribution to delegates. In addition, a special note pad to facilitate note taking will be provided.

#### Certificates

A Certificate of Completion will be issued to those who attend & successfully complete the programme.

#### Schedule

Our Course timings commences at 08:30 and concludes at 14:00, followed by lunch on a daily basis.

#### Hotel Accommodation

EuroMaTech has negotiated special rates for a limited number of rooms in the hotel. Early registration will help to secure a room at the reduced rate.

#### Registration & Payment

Please complete the registration form on this page & return it to us indicating your preferred mode of payment. For Further Information, Contact Your Nearest EuroMaTech Office.

#### Cancellation Policy

Request for seminar cancellation must be made in writing & received at EuroMaTech three weeks prior to the seminar date. A U.S.\$250/- processing fee will be charged per delegate for each cancellation. Thereafter, we regret that we are unable to refund any fees due, although in such cases we would be happy to welcome a colleague who would substitute for you.

#### Disclaimer

EuroMaTech reserves the right to alter the content, location of the Seminar, or the identity of the speakers in case of events beyond our control.

**\*VAT Announcement:** The Government of UAE have introduced Value Added Tax (VAT) on goods and services from 01-January-2018. In compliance with the legislation issued by the UAE Government, we will be applying a 5% VAT on the fees for all our programs and services offered from January 2018 as applicable and stipulated in the FTA circulars.

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