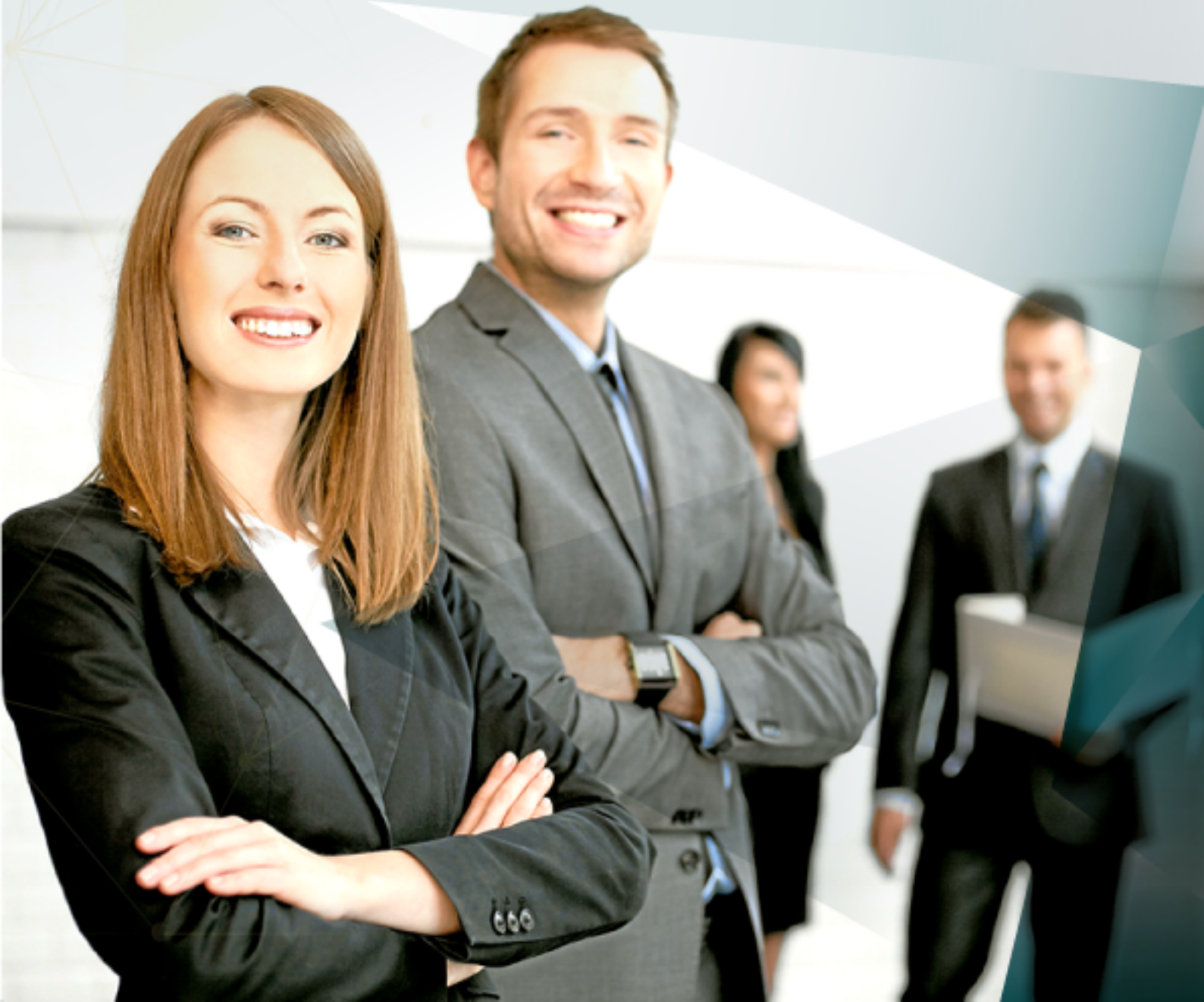
MERCURY

Aviation Statistical Analysis - And Forecasting Techniques

30 Sep - 04 Oct 2024
Amsterdam (Netherlands)



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Aviation Statistical Analysis - And Forecasting Techniques

Ref.: 15267_293043 **Date:** 30 Sep - 04 Oct 2024 **Location:** Amsterdam (Netherlands) **Fees:** 5500 **Euro**

Introduction:

The training course will emphasize applications of Statistical Analysis and Forecasting Techniques in management practice; focus on a clearer understanding of how to integrate quantitative practical sessions and workshops to improve scientific aviation analytical skills.

Targeted Groups:

- Airline and airport staff related to the management of statistical studies.
- Staff conducting planning and forecasting studies.
- Airport and Airline operations and management staff.
- Airport & airline - inspectors.

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

- Understand Air Transport principles and develop the required skills to understand the ICAO statistics program.
- Learn about the Airport System Components.
- Learn Principles governing international statistical activities and the methods of calculating airport performance measures.
- Learn and practice Descriptive statistics principles & Forecasting techniques: linear and multiple regressions.
- Be familiar with ICAO & ACI forms.
- Understand the skills of Presenting Data in Tables and Charts using. Computers: Microsoft Excel & Forecasting techniques e.g. linear and multiple regressions.
- Conduct forecasting for the Aviation traffic.

Targeted Competencies:

- The method of calculating the airport performance measures & the airline unit cost.
- Forecasting linear and multiple regressions.
- Air Transport principles, ICAO & ACI forms & ICAO statistics program.
- Principles governing international statistical activities.
- Descriptive statistics principles & Presenting Data in Tables and Charts using Computers: Microsoft Excel.

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Course Content:

Unit 1: Aviation Statistical Principles:

- Course Introduction
- Overview of the Air Transport Industry
- Aviation System Components
- Introduction and Data Collection
- Using MS Excel S/W in Data Analysis
- Presenting Data in Tables and Charts Numerical Descriptive Measures

Unit 2: ICAO Statistics Program:

- Main Terms Used in Civil Aviation Statistics
- The Statistics Program of the International Civil Aviation Organization
- Commercial Air Carrier Statistics
- Principles Governing International Statistical Activities UNO
- Economic and Air Transport Indicators

Unit 3: Aviation Data Processing and Dissemination:

- Forecasting Timeframe & Forecasting Techniques
- Statistical Parameters Definitions
- Practical Example of Time Series Models with Excel
- Introduction to Regression Analysis
- Polynomial Trend Analysis

Unit 4: Statistical Reporting Guide:

- Development of an Econometric Model
- Summary of the ICAO Statistics Programme
- Commercial Air Carrier Statistics
- Airport Statistics
- Statistics on En-route Facilities and Services
- State Aviation Statistics

Unit 5: ICAO Forms for CAA & Service Providers:

- Air Transport Reporting Forms for Airports
- Air Transport Reporting Forms for ANSP
- Air Transport Reporting Forms for Air Carriers Part I & II
- Best Practices in Survey Design, Data Collection, and in Estimating Missing Data
- Economic Statistics, the ACI Airport Economics Survey, and Airport User Charges

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Registration form on the :
Aviation Statistical Analysis - And Forecasting Techniques

code: 15267 **From:** 30 Sep - 04 Oct 2024 **Venue:** Amsterdam (Netherlands) **Fees:** 5500 **Euro**

Complete & Mail or fax to Mercury Training Center at the address given below

Delegate Information

Full Name (Mr / Ms / Dr / Eng):
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Position:
.....
Telephone / Mobile:
.....
Personal E-Mail:
.....
Official E-Mail:
.....

Company Information

Company Name:
.....
Address:
.....
City / Country:
.....

Person Responsible for Training and Development

Full Name (Mr / Ms / Dr / Eng):
.....
Position:
.....
Telephone / Mobile:
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Personal E-Mail:
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Official E-Mail:
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Payment Method

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