

€ TRAINING

Certified ECBA Training and Data Analysis &
Visualization with Excel and Power BI

A group of four smiling business professionals (two men and two women) in a meeting room. They are wearing white shirts and are looking towards the camera. The background is a blurred office setting. A large blue curved graphic element is overlaid on the top right and bottom right of the image.

16 - 27 December 2024
Boston (USA)



Certified ECBA Training and Data Analysis & Visualization with Excel and Power BI

REF: G2653 DATE: 16 - 27 December 2024 Venue: Boston (USA) - Fee: 10425 Euro

Introduction:

This program is designed to prepare participants for the certification exam only.

The "Certified ECBA Training and Data Analysis & Visualization with Excel and Power BI" program is a comprehensive training course designed to equip participants with the foundational knowledge and skills required for entry-level business analysis and effective data visualization. This program combines the core principles of the Entry Certificate in Business Analysis (ECBA) with practical techniques for analyzing and visualizing data using industry-standard tools such as Excel and Power BI. By the end of this program, participants will be well-prepared to take the ECBA certification exam and apply data analysis and visualization techniques in their professional roles.

Program Objectives:

At the end of this program, participants will be able to:

- Provide a thorough understanding of business analysis fundamentals as outlined in the BABOK® Guide.
- Equip participants with the knowledge required to pass the ECBA certification exam.
- Introduce key concepts and tools used in data analysis and visualization, specifically focusing on Excel and Power BI.
- Develop practical skills for interpreting, analyzing, and presenting data effectively.
- Enhance participants' ability to make data-driven decisions in a business context.

Targeted Audience:

- Aspiring business analysts seeking foundational knowledge in business analysis.
- Professionals preparing for the ECBA certification exam.
- Individuals interested in gaining skills in data analysis and visualization using Excel and Power BI.
- Entry-level business analysts looking to enhance their data handling and presentation capabilities.
- Recent graduates aiming to start a career in business analysis.

Program Outline:

Unit 1:

Introduction to Business Analysis:

- Overview of Business Analysis.
- Role of a Business Analyst.
- Introduction to the BABOK® Guide.
- Key Concepts and Terminology.
- Understanding Business Analysis Core Concepts.

Unit 2:

Business Analysis Planning and Monitoring:

- Planning the Business Analysis Approach.
- Stakeholder Engagement.
- Business Analysis Governance.
- Information Management.
- Performance Monitoring and Reporting.

Unit 3:

Elicitation and Collaboration:

- Preparing for Elicitation.
- Conducting Elicitation.
- Confirming Elicitation Results.
- Managing Stakeholder Collaboration.
- Communication Techniques in Business Analysis.

Unit 4:

Requirements Life Cycle Management:

- Trace Requirements.
- Maintain Requirements.
- Prioritize Requirements.

- Assess Requirements Changes.
- Approve Requirements.

Unit 5:

Strategy Analysis:

- Analyze Current State.
- Define Future State.
- Assess Risks.
- Define Change Strategy.
- Strategic Planning and Alignment.

Unit 6:

Requirements Analysis and Design Definition:

- Specify and Model Requirements.
- Verify Requirements.
- Validate Requirements.
- Define Requirements Architecture.
- Define Design Options.
- Analyze Potential Value and Recommend Solution.

Unit 7:

Solution Evaluation:

- Measure Solution Performance.
- Analyze Performance Measures.
- Assess Solution Limitations.
- Assess Enterprise Limitations.
- Recommend Actions to Increase Solution Value.

Unit 8:

Introduction to Data Analysis with Excel:

- Fundamentals of Data Analysis.
- Data Collection and Cleaning in Excel.
- Data Interpretation Techniques.
- Statistical Analysis using Excel.
- Advanced Excel Functions for Data Analysis.

Unit 9:

Data Visualization Techniques with Power BI:

- Principles of Effective Data Visualization.
- Getting Started with Power BI.
- Creating Charts and Graphs in Power BI.
- Building Interactive Dashboards and Reports.
- Best Practices in Data Presentation.

Unit 10:

Practical Application and Exam Preparation:

- Real-world Case Studies.
- Hands-on Data Analysis and Visualization sample Projects using Excel and Power BI.
- ECBA® Exam Preparation Tips and Review.
- Time Management and Study Strategies for Certification.

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