



Analyzing Data with **Power BI** (DA-100T00-AC)

This course will discuss the various methods and best practices that are in line with business and technical requirements for modeling, visualizing, and analyzing data with Power BI. The course will also show how to access and process data from a range of data sources including both relational and non-relational data. This course will also explore how to implement proper security standards and policies across the Power BI spectrum including datasets and groups. The course will also discuss how to manage and deploy reports and dashboards for sharing and content distribution. Finally, this course will show how to build paginated reports within the Power BI service and publish them to a workspace for inclusion within Power BI.



CODE: ED21B10



DURATION: 28 hours



START DATE: 21/09/2021



AUDIENCE PROFILE:

The audience for this course are data professionals and business intelligence professionals who want to learn how to accurately perform data analysis using Power BI. This course is also targeted toward those individuals who develop reports that visualize data from the data platform technologies that exist on both in the cloud and on-premises.



PREREQUISITES FOR PARTICIPATION:

Very Good knowledge of Microsoft Excel.



TRAINING LANGUAGE:

Greek or English



TRAINING MATERIALS:

Step by Step training materials in the English Language



METHODOLOGY:

Lecture, discussion, demonstration and practice.



COURSE OBJECTIVES:

Upon completion of this course the participants will :

- Ingest, clean, and transform data
- Model data for performance and scalability
- Design and create reports for data analysis
- Apply and perform advanced report analytics.
- Manage and share report assets.
- Create paginated reports in Power BI

Contact us

77 77 72 52

Delivering training since 1996

Fax: +22466635, email: enquiries@editc.com
Visit our web site at www.editc.eu



Analyzing Data with **Power BI** (DA-100T00-AC)

This course will discuss the various methods and best practices that are in line with business and technical requirements for modeling, visualizing, and analyzing data with Power BI. The course will also show how to access and process data from a range of data sources including both relational and non-relational data. This course will also explore how to implement proper security standards and policies across the Power BI spectrum including datasets and groups. The course will also discuss how to manage and deploy reports and dashboards for sharing and content distribution. Finally, this course will show how to build paginated reports within the Power BI service and publish them to a workspace for inclusion within Power BI.



VENUE: WEBINAR



DATES & TIMES:

Tuesday 21/09/2021, 08:15 - 16:00

Friday 24/09/2021, 08:15 - 16:00

Tuesday 28/09/2021, 08:15 - 16:00

Thursday 30/09/2021, 08:15 - 16:00



PARICIPATION COST:

The cost includes the course notes and certificate. In the event of classroom led training, coffee, snacks and lunch (only for full day courses) are offered complimentary.

Participation Cost

- Total Cost: €770,00
- HRDA Subsidy: €476,00
- Net Cost: €294,00

For Unemployed

- Please contact us

Contact us

77 77 72 52

Delivering training since 1996

Fax: +22466635, email: enquiries@editc.com
Visit our web site at www.editc.eu

Analyzing Data with Power BI

COURSE TOPICS

Module 1

Get Started with Microsoft Data Analytics

Lessons

- Data Analytics and Microsoft
- Getting Started with Power BI

Lab : Getting Started

- Getting Started

Module 2

Prepare Data in Power BI

Lessons

- Get data from various data sources
- Optimize performance
- Resolve data errors

Lab : Preparing Data in Power BI Desktop

- Prepare Data

Module 3

Clean, Transform, and Load Data in Power

Lessons

- Data shaping
- Enhance the data structure
- Data Profiling

Lab : Transforming and Loading Data

- Loading Data

Module 4

Design a Data Model in Power BI

Lessons

- Introduction to data modeling
- Working with tables
- Dimensions and Hierarchie

Lab : Data Modeling in Power BI Desktop

- Create Model Relationships
- Configure Tables
- Review the model interface
- Create Quick Measures

Lab : Advanced Data Modeling in Power BI Desktop

- Configure many-to-many relationships
- Enforce row-level security

Module 5

Create Model Calculations using DAX in Power BI

Lessons

- Introduction to DAX
- DAX context
- Advanced DAX

Lab : Introduction to DAX in Power BI Desktop

- Create calculated tables
- Create calculated columns
- Create measures

Lab : Advanced DAX in Power BI Desktop

- Use the CALCULATE() function to manipulate filter context
- Use Time Intelligence functions

Module 6

Lessons

- Optimize the model for performance
- Optimize DirectQuery Models
- Create and manage Aggregations

Module 7

Create Reports

Lessons

- Design a report
- Enhance the report

Lab : Designing a report in Power BI

- Create a live connection in Power BI Desktop
- Design a report
- Configure visual fields and format properties

Lab : Enhancing Power BI reports with interaction and formatting

- Create and configure Sync Slicers
- Create a drillthrough page
- Apply conditional formatting
- Create and use Bookmarks

Unit 8

Create Dashboards

Lessons

- Create a Dashboard
- Real-time Dashboards
- Enhance a Dashboard

Contact us

 **77 77 72 52**

Delivering training since 1996

Fax: +22466635, email: enquiries@editc.com
Visit our web site at www.editc.eu

Analyzing Data with Power BI

COURSE TOPICS

Lab : Designing a report in Power BI Desktop - Part 1

- Create a Dashboard
- Pin visuals to a Dashboard
- Configure a Dashboard tile alert
- Use Q&A to create a dashboard tileWrite

Module 9

Create Paginated Reports in Power BI

Lessons

- Paginated report overview
- Create Paginated reports

Lab : Creating a Paginated report

- Use Power BI Report Builder
- Design a multi-page report layout
- Define a data source
- Define a dataset
- Create a report parameter
- Export a report to PDF

Module 10

Perform Advanced Analytics

Lessons

- Advanced Analytics
- Data Insights through AI visuals

Lab : Data Analysis in Power BI Desktop

- Create animated scatter charts
- Use teh visual to forecast values
- Work with Decomposition Tree visual
- Work with the Key Influencers visual

Module 11

Create and Manage Workspaces

Lessons

- Creating Workspaces
- Sharing and Managing Assets

Lab : Publishing and Sharing Power BI Content

- Map security principals to dataset roles
- Share a dashboard
- Publish an App

Module 12

Manage Datasets in Power BI

Lessons

- Parameters
- Datasets

Module 13

Row-level security

Lessons

- Security in Power BI

Contact us

 **77 77 72 52**

Delivering training since 1996

Fax: +22466635, email: enquiries@editc.com
Visit our web site at www.editc.eu

Registration Form

Seminar Code: ED21B10 — Title: Analyzing Data with Power BI (DA-100T00-AC) Start Date: 21/09/2021

A. Organization's details (if applicable)					
Company/Organization:		Size:	<input type="checkbox"/> Small	<input type="checkbox"/> Medium	<input type="checkbox"/> Large
Economic Activity:		Telephone:		Fax:	
Address:		Postal Code:			
Person responsible for the registration:		Email:			
		Direct Telephone:			

B. Participant's details (1)					
<input type="checkbox"/> Mr <input type="checkbox"/> Ms	Name		Surname		
Title/ Job Position:			Email:		
Job description:			Telephone/Mobile:	Fax:	
Reasons for participating in the seminar:					
Please fill this section if there are special requests for the lunch provided (only in the case that lunch is included)					
<input type="checkbox"/> Fasting <input type="checkbox"/> Vegetarian <input type="checkbox"/> Vegan					

C. Participation Cost	
PARTICIPATION IN THE SEMINAR IS PREPAID (at least three days before the start of the seminar)	
Please invoice <input type="checkbox"/> The participant <input type="checkbox"/> The company Credit Customer Number (if applicable):	
<input type="checkbox"/> For participants entitled the Human Resource Development Authority (HRDA)	€ 294
<input type="checkbox"/> For participants not entitled the Human Resource Development Authority (HRDA)	€ 770
Cheques must be issued to EDITC Ltd and payment can be made directly through deposit to the account of the company	
Account Name: EDITC LTD	Account Number: 115-01-068696-01
IBAN: CY19 0050 0115 0001 1501 0686 9601	SWIFT/BIC: HEBACY2N

D. Terms and conditions for participation on EDITC seminars
<ol style="list-style-type: none"> 1. The company accepts registrations for participation in the seminars at least 5 working days prior to the start of the seminar. EDITC does not commit to accept any registrations received in less than 5 working days before the start of the training program. 2. Written cancellations received 5 working days before the start of the training program are accepted and in the case where a payment has been made by the client, the full amount is reimbursed to the client. Cancellations that do not meet the above term are invoiced. The client may replace the participants) provided that they meet the criteria for participation on this program. 3. The company has the right to cancel or postpone a training program up to one day before the start date of the program. All prepayments are returned to clients. 4. All registrations are strictly prepaid except credit customers. EDITC will not allow the entry of participants in the class unless their financial obligations have been settled. 5. EDITC will inform the client upon receipt of the application form. Written confirmation for the implementation of the training program will be sent within 3-5 days before the start date of the seminar. In exceptional cases written confirmation may be sent one day before the start of the program. Participants are encouraged to contact the company in case they did not receive the confirmation. 6. Participants with less than 75% attendance cannot be subsidized by the HRDA and in this case the participants (or their company) will have to pay the amount of the subsidy (in addition to their own payment amount). 7. In case of subsidized programs by the HRDA all the required forms of HRDA must be sent to EDITC before the start of the training program. EDITC will not allow the entry of participants in the class unless the HRDA forms have been submitted to EDITC. 8. Certificates of participation will be given to participants after the completion of the course provided that their financial obligations and obligations regarding HRDA forms are settled. Otherwise certificates will be mailed as soon as the above obligations are settled.

☐ **We agree with the above terms and conditions**

Signature:

Date:

Stamp (in case of company):

Registration Form

B. Participant's Details (2)

<input type="checkbox"/> Mr <input type="checkbox"/> Ms	Name	Surname		
Title/ Job Position:		Email:		
Job description:		Telephone/Mobile:	Fax:	
Reasons for participating on the seminar:				
Please fill this section if there are special requests for the lunch provided (only in the case that lunch is included)				
<input type="checkbox"/> Fasting <input type="checkbox"/> Vegetarian <input type="checkbox"/> Vegan				

B. Participant's Details (3)

<input type="checkbox"/> Mr <input type="checkbox"/> Ms	Name	Surname		
Title/ Job Position:		Email:		
Job description:		Telephone/Mobile:	Fax:	
Reasons for participating on the seminar:				
Please fill this section if there are special requests for the lunch provided (only in the case that lunch is included)				
<input type="checkbox"/> Fasting <input type="checkbox"/> Vegetarian <input type="checkbox"/> Vegan				

B. Participant's Details (4)

<input type="checkbox"/> Mr <input type="checkbox"/> Ms	Name	Surname		
Title/ Job Position:		Email:		
Job description:		Telephone/Mobile:	Fax:	
Reasons for participating on the seminar:				
Please fill this section if there are special requests for the lunch provided (only in the case that lunch is included)				
<input type="checkbox"/> Fasting <input type="checkbox"/> Vegetarian <input type="checkbox"/> Vegan				

B. Participant's Details (5)

<input type="checkbox"/> Mr <input type="checkbox"/> Ms	Name	Surname		
Title/ Job Position:		Email:		
Job description:		Telephone/Mobile:	Fax:	
Reasons for participating on the seminar:				
Please fill this section if there are special requests for the lunch provided (only in the case that lunch is included)				
<input type="checkbox"/> Fasting <input type="checkbox"/> Vegetarian <input type="checkbox"/> Vegan				

☐ **We agree with the above terms and conditions**

Signature:

Date:

Stamp (in case of company):