



# Analyzing Data Using Power Pivot and Data Analysis Expression In Excel

The analysis of large data volume demands the use of modern tools in order that the analysis is done in a very effective way. People from the Statistics, IT, Risk Management and Control Departments as well as Financial Controllers and Analysts need to gain new skills in order to be able to respond to the new demands for controlling, monitoring and assessment of risks in Cyprus.

PowerPivot is a new ADD-IN in Microsoft Excel. PowerPivot allows the user to connect to a database and use its related tables to analyze the data. The user may also create new fields in the tables in order to calculate new data based on existing data in the tables. It uses a new programming language (DAX) which is quite easy to use especially for experienced users of Excel Formulae and Functions.

The PowerPivot Add in is a revolution in data analysis since (compared with "traditional" Pivot Tables) as it allows the use of many related tables for data analysis and it also provides fast processing due to the use of In-Memory-storage which is much faster.



**CODE:** ED21A18



**DURATION:** 21 hours



**START DATE:** 25/06/2021



**AUDIENCE PROFILE:**

The course is suitable for candidates who deal with data analysis, programmer, people from Information Technology department, Financial Controllers and Accountants.



**PREREQUISITES FOR PARTICIPATION:**

Participants should have a very good knowledge of Excel and especially of Pivot Tables and Formulae and Functions. Prior to participating in this course, participants are encouraged to take up an Excel Expert course.



**TRAINING LANGUAGE:**

Greek



**TRAINING MATERIALS:**

The training manual is in the English Language.



**METHODOLOGY:**

Lecture, discussion, demonstration and practice.



**COURSE OBJECTIVES:**

Upon completion the participants will be able to use the PowerPivot tool to:

- Create Data Models
- Explain relationships in data models
- Create measures and calculated columns using DAX
- Create PowerPivot tables
- Create DAX expressions for data analysis
- Use measures and calculated columns in PowerPivot tables
- Link to various data sources
- Create Dashboards and PowerView Reports

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 **VENUE:** Webinar

 **DATES & TIMES:**

**FRIDAY, 25/06/2021, 08:15 - 16:00**

**THURSDAY, 01/07/2021, 08:15 - 16:00**

**FRIDAY, 02/07/2021, 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: €700
- HRDA Subsidy: €252
- Net Cost: €448

#### **For Unemployed**

- Please contact us

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# Analyzing data with DAX

## COURSE TOPICS

### Unit 1: Introducing Data Models

- What is PowerPivot
- What are the data models

### Unit 2: Using Data Models For BI

- Understanding Data Models and Relational Data
- Understanding Relationships
- Creating the Data Model
- Preparing the Data

### Unit 3: Manipulate Data in a Data Model

- Getting the Data
- Creating Calculated Fields and Calculated Columns with Simple DAX
- Add to Data Model vs. Importing
- Using Relationships

### Unit 4: Programming with DAX

- Writing DAX Code
- Formatting DAX
- Common DAX Functions (Logical, Information, Mathematical, Text, Conversion, Date and Time, Relational)
- Error Handling
- Execution Context
- The Calculate Function

### Unit 5: Loading Data

- Loading data from Excel
- Loading data from SQL
- Loading data from Clipboard
- Loading data from Excel

### Unit 6: Understanding Evaluation Contexts

- Understanding Row Contexts
- Creating a row context with iterators In DAX
- Understanding FILTER, ALL, and context Interactions
- Filter context and relationships
- Creating a parameter table

### Unit 7: Working with PowerView

- Creating PowerView Report
- Creating DashBoards

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## Registration Form

**Seminar Code: ED21A18 Title: Analyzing Data Using PowerPivot and Data Analysis Expression in Excel Start Date: 25/06/2021**

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	
<b>PARTICIPATION IN THE SEMINAR IS PREPAID (at least three days before the start of the seminar)</b>	
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)	€ 448
<input type="checkbox"/> For participants <b>not entitled</b> the Human Resource Development Authority (HRDA)	€ 700
Cheques must be issued to <b>EDITC Ltd</b> and payment can be made directly through deposit to the account of the company	
<b>Account Name:</b> EDITC LTD	<b>Account Number:</b> 115-01-068696-01
<b>IBAN:</b> CY19 0050 0115 0001 1501 0686 9601	<b>SWIFT/BIC:</b> HEBACY2N

D. Terms and conditions for participation on EDITC seminars	
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. <b>Participants are encouraged to contact the company in case they did not receive the confirmation.</b>	
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):