



MAY
Session

11 - 12 May 2017
SAINS Training Centre
Samarahan. SARAWAK

Big Data Analytics with Excel 2013 Power Query & Power Pivot



INTRODUCTION

Data analytics is the process of examining large data sets to uncover hidden patterns, market trends, customer preferences and other useful business information. These findings can lead to more effective marketing, new opportunities, better customer service, improved operational efficiency and build competitive advantages over competitors.

The challenge of big data is;

- Data comes in multiple file formats (Text, CSV, Excel workbooks, Databases, Websites and more)
- Data maybe semi-structured and unstructured data Semi-structured and unstructured data may not fit well in traditional data warehouses based on relational databases.
- Before you can mine your data for insights, you need to clean it up. It's always good practice to create a clean, well-structured data set, but it's not always possible. Data sets can come in all shapes and sizes especially when you're getting it from the web.

Excel has two great tools that can help in big data analytics namely;

- Power Query & Power Pivot

WHO SHOULD ATTEND?

- Excel Power Users
- Executives
- Managers
- Data & Business Analysts
- IT Professionals
- BI Consultants



ABOUT OUR TRAINING CENTRE

Pusat Latihan Teknologi Maklumat Sarawak (SAINS) was established in 1993, in response to the increasing demand for IT training in Malaysia. The Centre is a certified training provider approved by the Ministry of Education as well as Pembangunan Sumber Manusia Berhad (PSMB). Corporates choosing to send their employees to our centre can use the Human Resource Development Fund (HRDF) to pay for employee training. **We won the Human Resources Development Fund Award 2013** in the Training Provider category.

Pusat Latihan Teknologi Maklumat Sarawak (SAINS)
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Big Data Analytics with Excel 2013 Power Query & Power Pivot

Introduction to Power Query With Excel 2013 (Day 1)

Power Query can connect to wide range of data sources. Databases such as SQL Server, Oracle, Text files, Big data and Hadoop data sources, online searches and OData feeds, Cloud storage, Facebook, SharePoint and many other types of data storage. Power Query extracts the data from sources, and does transformations such as splitting columns, data conversions, lookups, merge, append, data cleansing and many other data transformations AUTOMATICALLY without the use of VBA. Power Query introduced a new expression language called "M" for data transformations. Power Query is simply the best transformation and data manipulation tool for Excel and easier to use, understand and master than any other tools.

Course Outline

- Introduction to Power Query
- Appending Data From Multiple Sources / Formats
- Merging Tables
- Power Query Formulas
- Transforming Data
- Cleaning Dirty Data

Course Objectives

During the training, you will use Power Query to:

- Import / connect to external data from multiple sources.
- Automate the data transformation & data cleansing processes.
- Combine data from multiple sources into a single source.
- Merging data without the need of formulas such as VLOOKUP, INDEX & MATCH.
- Perform calculation to aggregate data.

Pre-requisites

- Delegates should be proficient users of Excel (filtering, text to columns, functions & formulas) and familiar with PivotTables.

Introduction to Power Pivot 2013 (Day 2)

Power Pivot is an add-in for Microsoft Excel 2010 that enables you to import millions of rows of data from multiple data sources into a single Excel workbook, create relationships between heterogeneous data, create calculated columns and measures using formulas, build PivotTables and Pivot Charts, and then further analyze the data so that you can make timely business decisions without requiring IT assistance.

This hands-on course demonstrates how to take advantage of self-service business intelligence using Microsoft PowerPivot for Excel.

Course Outline

- Introduction to PowerPivot
- Handling Data in Power Pivot
- Power Pivot at Work
- Introduction to DAXS

Course Objectives

During the training, you will use Power Pivot to:

- Import external data from multiple sources.
 - Client database
 - Excel tables
 - CSV files
- Handling massive data from multiple sheets.
- Create relationships between multiple tables.
- How to create a user friendly models
- Perform calculations in Power Pivot
 - Calculated columns.
 - Measures (Calculated fields)
- Create PivotTables and Pivot Charts.
- Introduction to Data Analysis Expression language (DAX)

Pre-requisites

- Delegates should be proficient users of Excel and be experienced in creating Excel PivotTables & PivotCharts and also be familiar with Functions & Formulas .



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TRAINER PROFILE



Mr Sivanasan also well known as Julian is a Microsoft Certified Trainer & having started the career in auditing and then moving on into Accounts & Finance having a total of about 18 years of working experience in the corporate world. He successfully set up a new accounting system and migrating the old data into the new system. In addition, he also created sub systems with Excel VBA programming.

Having accumulated hands on experience in MS applications over the years and developing a passion to share with others, he began to venture into the IT Training Industry in the year 2000.

A website on Excel Macros (VBA) tips for Beginners was subsequently set up to reach out to those wanting to learn basic VBA. Using simplified sample codes and examples made the website a hit for beginners as other websites on Excel VBA were simply too difficult to understand.



PROGRAM SCHEDULE

Day 1 & Day 2	
8.30 AM	Registration
9.00 AM	Course begins
10.30 AM	Morning tea break and networking break
10.45 AM	Course recommences
12.30 PM	Networking Lunch
13.50 PM	Course recommences
15.00 PM	Afternoon tea break and networking break
15.15 PM	Course recommences
16.45 PM	Summary & recap
17.00 PM	End of Training

QUESTIONNAIRE

To ensure that you gain maximum benefits from this training, a detailed pre-training questionnaire will be sent to you to establish exactly where your training needs lie. The completed forms will be analysed by the trainer. As a result, we ensure the course is delivered at an appropriate level and that relevant issues will be addressed.

IN-HOUSE TRAINING ADVANTAGE

If you have a number of delegates with similar training needs, then you may wish to consider an In-house Training solution delivered locally onsite.

Course can be tailored to specific requirements.

Please contact

jeansyy@sains.com.my or

082-668688 for further discussion.



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COURSE FEES		COURSE DATE
Early Bird : Register by 17 April 2017 <input type="checkbox"/> RM1,050.00 per person <input type="checkbox"/> Regular: RM1,200.00 per person <input type="checkbox"/> Register 4 persons at RM3,600.00		<input type="checkbox"/> 11 May - 12 May 2017 SAINS Training Centre, Samarahan, SARAWAK.
<i>Group discount is applicable for the same organization only</i>		<i>In-house Training : Please contact us for more information</i>

REGISTRATION FORM

Please send Registration Form via fax or email to : SARAWAK INFORMATION SYSTEMS SDN BHD

Attention:	<input type="checkbox"/> Jean Sim (H/P: 019-889 3819)	<input type="checkbox"/> Fallacia Sitam (H/P: 013-880 0718)	<input type="checkbox"/> Johnny Chung (013-806 3465)
Tel:	082-668688 / H/P: 012-895 2032 (Agnes)	Fax:	082-668699
		Email:	training@sains.com.my

Participant(s) Information

No.	Name	Designation	Contact No.	Email	Meal Choice
1.					<input type="checkbox"/> Vegetarian <input type="checkbox"/> Non Vegetarian
2.					<input type="checkbox"/> Vegetarian <input type="checkbox"/> Non Vegetarian
3.					<input type="checkbox"/> Vegetarian <input type="checkbox"/> Non Vegetarian

Company Information

Company Name:	<input type="checkbox"/> Government Agency <input type="checkbox"/> PSMB Registered Employer <input type="checkbox"/> Non-PSMB Registered Employer	Tel:
		Fax :
Address:		Email:
Contact Person:		Designation:

Authorization

Name:	Signature & Company Chop / Stamp:
Designation:	
Date:	

Methods of Payment

<input type="checkbox"/> Cash <input type="checkbox"/> Cheque <input type="checkbox"/> Service Order <input type="checkbox"/> Purchase Order
Payment should be made payable to Sarawak Information Systems Sdn. Bhd. to RHB Account No: 21121250109185

Terms & Conditions :

- Course fee is inclusive of GST @ 6%
- Course fee is inclusive of refreshments, lunch, course materials and Certificate of Attendance.
- Full payment must be made within FIVE (5) working days upon issuance of invoice.
- Admission upon receipt of full payment.
- CANCELLATION must be received in writing. If cancellation occurs less than FIVE (5) working days from the course delivery, the FULL training fee for the course will be charged. A delegate may be substituted at no extra charge if you are unable to attend. Kindly provide the name and title of the substitute delegate prior to the course.

Disclaimer:

SAINS reserves the right to cancel the event should circumstances beyond its control arise. In the event of such a cancellation, SAINS will refund in full payments received. SAINS also reserves the right to make alternative arrangements without prior notice should it be necessary to do so. Upon signing the registration form, you are deemed to have read and accepted the terms and conditions.