Instructor Lab: Analyzing and Visualizing Data with Excel 2016

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Excel Communities, Feedback and Training

Provide Product Feedback

- **Excel UserVoice** (http://excel.uservoice.com)

Analyzing and Visualizing Data with Excel

- **New Free Excel Course at EdX.com**: Explore data analysis and visualization in Excel, the cloud benefits of Power BI, and Power Pivot, pivot tables, and tools previously known as Power Query. (https://www.edx.org/course/analyzing-visualizing-data-excel-microsoft-dat206x-0)

Other Resources:

- **Engage with Excel**
  - Twitter (https://twitter.com/msexcel; @MsExcel)
  - Facebook (https://www.facebook.com/microsoftexcel)

- **Excel Announcements**

- **Try Excel 2016**

- **Ask Excel Questions**
  - Microsoft Answers (http://answers.microsoft.com/)
Agenda

• Excel Analysis – before the Excel Data Model
• Introduction to Get & Transform in Excel
• Introduction to the Excel Data Model
• Introduction to Analyzing Data in Excel
Microsoft Business Intelligence and Analytics

User Journey

Get Data → Analyze → Visualize → Publish → Consume
Excel Analysis – before the Excel Data Model
Introducing Get & Transform
LAB 1:

- Introduction to Get & Transform in Excel
- Objective
  - Understand the Query Editor
  - Creating a File Based Query
  - Creating a Data Based Query
  - Creating a Folder Based Query
  - Importing data from an Excel File
Excel Data Model

- Introduced as the PowerPivot Add-in in Excel 2010
- Integrated in Excel 2013 and 2016
Excel Data Model
LAB 2:

- Introduction to the Excel Data Model

- Objective
  - Understand the PowerPivot Modelling Window
    - Setting up a Relationship
    - Creating a Date Dimension
  - Creating a PivotTable connected to the Excel Data Model
Introduction to Analyzing Data in Excel
LAB 3:

• Introduction to Analyzing Data in Excel

• Objective
  • Understand the Excel PivotChart and Slicers
  • How to explore data with Quick Explore
Powerful self-service analysis

**Excel**
Ad-hoc analysis for blending structured and unstructured data together for analysis in familiar spreadsheets

**Power BI Desktop**
Visual drag-and-drop data exploration and interactive reporting on a freeform canvas
Connect to all the data around you
One data preparation experience across Excel & Power BI Desktop

- Connect to a broad range of data across on-premises and cloud
- Shape, transform, and clean data for analysis
- Join and model data from multiple data sources and different types
- Extend your analysis with support for technologies such as R for advanced analytics
Tuesday, March 22, 2016

10:00 AM - 10:50 AM
- The Arithmetic of Uncertainty: A Cure for the Flaw of Averages
- Tips and Tricks for Working with Data in Excel
- What's New in Excel 2016

11:00 AM - 11:50 AM
- Analytic War Stories: Successes and Failures
- Data Modeling For Power BI
- Data Modeling in Excel Using Power Pivot
- Excel Everywhere: The Benefits of Using Excel on the Web, on Mobile and Anywhere!

1:00 PM - 1:50 PM
- Communicate and Analyze with Impact - New Charting Capabilities in Excel
- Managing Microsoft Office in a Time of Continuous Improvement
- Shape External Data with Unprecedented Ease and Power in Excel

2:00 PM - 2:50 PM
- Developing Customized Forecasting Models in Excel 2016
Wednesday, March 23, 2016

8:00 AM - 8:50 AM
- Tools for Thinking: Real Time Analytics & the Future of Work
- What is Big Data and How Do You Make Sense of it in Excel?

9:00 AM - 9:50 AM
- Custom Data Integration and Analysis in Excel with Office Add-ins
- Excel Customer Session: Beyond Facts and Data at Tyco: Learnings Surrounding People, Process and Technology
- Tips and Tricks for Advanced Visualizations in Excel

10:30 AM - 12:30 PM
- Analyzing and Visualizing Data with Excel 2016
- Enabling Deeper Business Decisions Using Cube Formulas and Power Pivot in Excel
- Excel Online in the Cloud (O365) and On-Premises
- Spreadsheet Management and Compliance

11:30 AM - 12:20 PM
- Cool Tips and Tricks with Formulas in Excel

11:30 AM - 12:20 PM
- Dark Matter, Vulcans and Crystal Balls: The Rise of Self-Service BI
- Excel Customer Session: How The Microsoft Finance Team Uses Excel For Internal Revenue Planning

1:30 PM - 2:20 PM
- Excel Customer Session: How Mobile BI Drives User and Executive Adoption for your Microsoft BI Platform
- Fireside Chat with the Excel Leadership Team
Microsoft Data Insights Summit

Access to the Schedule Builder
https://datainsightssummit.hubb.me/
or scan the QR code