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Why Learn Analyzing Data with Excel?

More and more organizations are investing in big data.

In fact, in the next two years 76% of companies are planning to increase their investment in data analytics.

To stand out you must know how to analyse and use data to effectively improve real-life decisions.

Unlock the power of your organization's data using the data analysis and visualization tools built into Excel.

Audience Profile :

- This course is for anyone who has an interest in data analytics or data science and how it can be used to improve business decision making.
- The content in this course can be applied to a range of industry sectors including health, sport, marketing, finance and more.

Prerequisites:

- Basic knowledge of the Microsoft Windows operating system and its core functionality.
- Working knowledge of relational databases.
- Extensive knowledge of Excel spreadsheets including formulas, charts, filtering, sorting, and sub-totals.

Course Overview:

- Unlock the power of your organization's data using the data analysis and visualization tools built into Excel.
- The main purpose of the course is to give students the ability to add BI techniques to Excel data analysis.
- The course goes beyond the capabilities of tables and charts and uses Pivot Charts, the Excel Data Model, and Power BI.
- Use Microsoft Excel to consume, transform, model, and visualize data in Excel.to perform data analysis.
- Configure and manipulate data in PowerPivot, PivotTables, and PivotCharts.
- To stand out you must know how to analyse and use data to effectively improve real-life decisions.

Analyzing Data with Excel Outline:

- Module 1: Data Analysis in Excel
- Describe classic data analysis with Excel
- Describe Excel pivot tables
- Describe the limitations of classic data analysis with Excel
- Module 2: The Excel Data Model
- Describe an Excel data model
- View data within an Excel data table
- Describe DAX
- Module 3: Importing Data from Files
- Import data into excel.
- Shape and transform data.
- Load data.
- Module 4: Importing Data from Databases
- Identify available data sources.
- Preview, shape, and transform data.
- Explain table relationships and hierarchies.
- Load data from various sources.
- Module 5: Importing Data from Excel Reports
- Import data from Excel reports.
- Transform Excel report data.
- Module 6: Creating and Formatting Measures
- Explain what DAX is and when to use it.
- Describe a measure.
- Use some of the advanced functions within DAX.
- Module 7: Visualizing Data in Excel
- Create and refine a pivot chart.
- Describe cube functions and when to use them.
- Describe a number of charts for use with cube functions.
- Module 8: Using Excel with Power BI
- Power BI
- Uploading Excel Data to Power BI
- Power BI Mobile App
- Describe Power Bi and the various versions available.
- Upload Excel data to Power BI.
- Describe the Power BI App.

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