

ADVANCED EXCEL, DATA ANALYSIS USING EXCEL, POWER BI & TABLEAU

Advanced Excel

- Overview of Arrays, Formulas and Functions
- Finding Errors; New Excel Functions
- Multiple Workbooks and Windows; Comparing Workbooks
- Chart Types; Chart Recommendation
- Selecting Data, Positioning and Printing Charts
- Sorting
- Filtering
- Tables
- VLOOKUP
- MACROS
- Quick Analysis Tool

Data Analysis using Excel

- Overview of Data Analysis using Excel
- Foundational Concept of Data Analysis
- Pivot Tables for Data Analysis
- VLOOKUP for Exact & Approximate Match
- Charts for Data Analysis (Waterfall, Pivot etc)
- Visualize Data
- Customizing Charts & Graph in Excel
- VLOOKUP for Data Analysis

UNDERSTAND THE POWER BI ECOSYSTEM

- Describe the Power BI ecosystem
- Define Power BI and its relationship with Excel
- Discuss the Power BI suite of products
- Describe how the Power BI products integrate
- Explain the typical analytics process flow

APPLY DATA PREPARATION POWER QUERY

- Differentiate between the various data sources
- Connect Power BI to a data source
- Clean and transform data to ensure data quality
- Load the data to the Power BI Data Model

DESIGN A POWER BI DATA MODEL TO DELIVER SELFICE ANALYTICS

- Describe the Power BI ecosystem
- Define Power BI and its relationship with Excel
- Discuss the Power BI suite of products
- Describe how the Power BI products integrate
- Explain the typical analytics process flow

Tableau

- Connecting to various data sources, and cleaning up data
- Joining multiple datasets (Union, Blending, cross database Joins and many more)
- Visualizing the data as Charts, Graphs, Maps, Plots etc.
- Tricks and tips to tell a simple and effective story using data.
- The concept of Tableau Database or Fast engine (Extracts)

Tableau

1. Visual Analytics,
2. Drilldowns,
3. Sorting,
4. Grouping,
5. Set and Cluster creations,
6. Filtering of data, Parameters,
7. Tooltips,
8. Annotations,
9. Reference lines

Tableau

- Enhancing or switching your career in the field of Data Science and Analytics
- Packaging your report into a Dashboard.
- Playing with Geographical data types and using Maps in Tableau
- Writing very complex and powerful calculations like aggregate calculations, Date,
- Logical, String, Number and other types of calculations.