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Classroom

| Corporate

| Online

Tableau Syllabus

Overview:

- User interface basics
- Connecting to data
- Dimensions vs. measures
- Show Me
- Marks card
- Simple formatting
- Building views
- Building a dashboard

Connecting to Excel, CSV and Text Files:

- Connecting to single or multiple tables
- Connecting live versus importing the data
- Editing data connections after initial connection
- Data source filtering

Working with Data:

- Flat Files (Excel, CSV, Access DB)
- Relational Databases

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- ODBC Drivers
- Live or Import Data Connection
- Metadata Management
- Multiple Data Connections
- Creating and Refreshing an Extract

Analysis:

- Hierarchies
- Sorting
- Grouping
- Filtering
- Aggregations
- Trend lines
- Page shelf
- Forecasting

Formatting:

- Row-banding
- Number formatting

Tableau Syllabus

➤ Text formatting

➤ Shading

➤ Labels

➤ Annotations

➤ Tooltips

Calculation:

➤ Aggregate Calculations

➤ Row-Level Calculations

➤ Quick Table Calculations

Dashboard:

➤ Dashboard Objects

➤ Filter Actions

➤ URL Actions

➤ Sizing

➤ Tiled and Floating Sheets

➤ Dynamic Sheet Titles

Tableau Syllabus

Tableau Server(Provided availability of License):

- Publishing the Workbook
- Scheduling Refresh Extract
- Managing Authentication and Authorization
- Monitoring Background Tasks
- Automation of Reports

Note: There will be practical sessions for almost every topic mentioned above in the syllabus.

The Syllabus covers all the topics required to complete global certification.

Data warehousing Syllabus

- Evolution of Datawarehousing - History
- The need of Datawarehousing
- Why Datawarehousing
- What is Datawarehousing – The Definition
 1. Subject -Oriented
 2. Integrated
 3. Non – Volatile

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Tableau Syllabus

- 4. Time Varying
- Datawarehousing Architecture
 - 1. Data Source Layer
 - 2. Data Extraction Layer
 - 3. Staging Layer
 - 4. ETL Layer
 - 5. Data Storage Layer
 - 6. Data Logic Layer
 - 7. Data Presentation Layer
 - 8. Metadata Layer
 - 9. System Operation Layer
- Dimension table
- Fact table
 - 1. Additive Facts
 - 2. Semi Additive Facts
 - 3. Non – Additive Fact
 - 4. Cumulative
 - 5. Snapshot
- Attribute
- Hierarchy

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Tableau Syllabus

- Types of Schema
 1. Star Schema
 2. Snow Flake Schema
 3. Fact Constellation Schema
- Slow Changing Dimension
 1. SCD1 – Advantages/ Disadvantages
 2. SCD2 – Advantages/ Disadvantages
 3. SCD3 – Advantages/ Disadvantages
- OLAP and OLTP
 - Difference between OLAP and OLTP
 - Types Of OLAP
 1. Multi-Dimensional (MOLAP)
 2. Relational(ROLAP)
 3. Hybrid(HOLAP)