

# Data Analytics for Financial Analysts

## Power Query

- Import Basic Data.
- Append Operations.
- Import files from a folder.
- Aggregate Excel Worksheets.
- Unpivot Data.
- Import Non Delimited Files.
- Import data from database.
- Merge Tables and Queries.
- Import Web Data.
- Grouping and Summarizing.
- Transpose and Unpivot Complex Data.
- Conditional Logics.

## DAX

- Calculated Fields.
- Sum(), Count(),CountRows()
- MIN(), CountBlank() and Divide()
- AverageX()
- Values() and HasOneValue()
- AllExcept() and AllSelected()
- Time Intelligence
- Related() and RelatedTable()
- Cube Formulas.

## Power Pivot

- Loading data into Power Pivot.
- Calculated Columns.
- Measures.
- Calculate() Function.
- All() Function.
- Disconnected Tables.
- Filter() Function.
- If(), Switch(), Blank()
- Conditional Functions.
- SumX().
- Multiple Tables.

## MS Access and VBA

- Database Concept.
- Tables
- Data Normalization and Relationships
- Queries
- Operators and Expressions in Access
- Access Forms
- Access Reports
- Macros
- VBA Code Basics.
- Events and Modules.
- Objects and Collections.
- Looping.
- VBA Data Types.
- Procedures and Events
- External Data, import and Export options.
- Charts and Charts animation.

## SQL and MySQL Workbench

- SQL Basics.
- Creating Complex Queries.
- Filtering your data.
- Data Sets.
- INNER Joins.
- OUTER Joins.
- UNIONS.
- Sub Queries.
- Summarizing and Grouping Data in SQL.
- Updating, Inserting and Deleting Sets of Data
- Configuring MySQL Workbench Connection.
- Creating and managing Tables and Relations.
- Creating and Managing Routines.
- Editing Data
- Multiple Data Edits
- Managing SQL Scripts

## Power BI

- Overview of Power BI Desktop and Power BI Services.
- Connecting to Data.
- Transforming Data to build reports and visuals.
- Quick Measures in Power BI Desktop.
- Create Calculated Measures.
- Hierarchies.
- Date and Data Slicers.
- Map Visualization.
- Power BI Visuals.
- Visual Interactions.
- Power BI Reports – Position, Align and Sort Visuals.
- Power BI Services.
- Dashboards in Power BI Services.
- Get Insights.
- Power BI Q & A natural language queries.
- Export to PowerPoint.