

Power BI Bootcamp

Group classes in NYC and onsite training is available for this course. For more information, email nyc@careercenters.com or visit: <https://www.careercenters.com/courses/power-bi-bootcamp>



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Course Outline

Level I

Introduction to Power BI

- Overview of Power BI
- Why and where Power BI is used
- Explanation of ETL process (Extraction – Transformation – Loading)
- Explanation of dataflow in Power BI
- Power BI components and usage

Data Extraction

- Extracting data from Excel
- Extracting all the files from folders
- Working with text files & web data
- Connecting SQL, Azure data

Data Transformation

- Overview of Power Query Editor
- Query Editor Interface
- Applied Steps
- Column profiling for data quality check
- Merge & Append tables
- Sort & Filter
- Remove & Keep Rows & Columns
- Split, Concatenate & Extract
- Working with dates
- Transpose data
- Pivot & Unpivot columns
- Parameters for loading only required data

Relationships

- Relationship importance
- Understanding types of relationship
- Enable/Disable auto-relationships
- Create relationships manually
- Marking as Active/Inactive relationship
- Single & Double filter relation

Data Visualization & Analytics

- Overview of Desktop interface
- Creating basic DAX Expressions:
 - SUM
 - COUNT
 - DISTINCTCOUNT
 - AVERAGE
 - MAX
 - MIN
 - RELATED
- Managing Page Layout
- Charts & Tables
 - Connecting visuals with data
 - Using filters
 - Formatting of visuals

Power BI Service

- Publish Reports
- Create Workspace

Level II

Data Transformation

- Add Custom Columns
- Conditional Column
- Index Column

Data Visualization & Analytics

- Advanced DAX queries
 - SUMX/COUNTX
 - CALENDAR
 - YTD/MTD/QTD
 - CALCULATE
 - SamePeriodLastYear
 - RELATEDTABLE
 - SUMMARIZE
 - ALL/ALLEXCEPT
 - FILTER

- VAR
- IF
- SELECTED VALUE
- CONCATENATEX
- Visuals
 - Display data on Map
 - Donut chart
 - Combo chart
 - Matrix
 - Tree Map
 - Funnel Chart
 - Adding Actions
 - Drill through data & Drill down report
 - Working with 3 filter options:
 - Slicer
 - Filter Pane
 - Drill through
 - Conditional Formatting in charts
 - Custom Visuals
 - Word Cloud
 - Animations
 - Create Navigator Page
 - Working with Bookmarks
- Manage Roles
 - Who is allowed to see how much data
 - Row Level Security

Power BI Service

- Share reports
- Share Workspace
- Publish Apps
- Create & Edit Dashboards
- Q & A
- Scheduled Data Refresh
- Paginated Reports