



Introduction to Data Analytics

Overview of Data Analytics

Opportunities and Careers paths in Data Analytics

Roles and responsibilities of a Data Analyst

Data Analytics Case Studies

Data Visualization

Fundamentals of Data Visualization

Introduction to Power BI

Data Visualization using Power BI

Advanced-Data Visualization

Slicers and Filters in Power BI

Interactive Visualisations in Power BI

Creating Paginated Reports

Creating Dashboards in Power BI

Data Cleaning & Transformation using Excel / Power Query

Data Cleaning Techniques

Data Transformation Techniques

Introduction to Power Query

Data Types and Filters in Power Query

Inbuilt Column and Row Transformations

Creating a Query in Power Query

Combining Two Data Sets

Data Modelling & DAX

Introduction and Techniques to Data Modelling

Creating Measures in DAX

DAX Functions



Publishing Your Dashboards

Introduction to Power BI Service

Collaboration using Power BI

Creating Dashboards using Power BI Cloud/Service

Publishing Your Dashboard

Data Analysis using Python Libraries

Introduction to NumPy and Pandas

Indexing and Slicing NumPy arrays

Indexing and Filtering Pandas data frames and series

Modifying Pandas data frames and Series

Data Analytics using Tableau

Fundamentals of Tableau

Essential Design Principles for Visualization with Tableau

Creating Dashboards and Interactive Reports in Tableau