**Complete Data Analytics Training using Excel, SQL, Python & PowerBI**

 The course helps you master**in-depth learning**of the data analytics process with an understanding of the**working of OS using Python, Excel, SQL, PowerBI, Jupyter, Pandas & other data- preprocessing techniques**for better **data management and analysis.**

This**11-week**, **Beginner to Advance Live Course** is designed ultimately to explore your **learning potential**, preparing you to excel in **Data Analyst roles.**

**Why Choose Our Course:**

* Master essential **analytical tools** like **Python, Pandas, Numpy, Excel, SQL, Tableau** & more.
* Hands-on-experience with **Real-world datasets.**
* Deep dive into various exquisite **practical projects**like:
  + **E-Commerce Product Analysis**
  + **Movie Industry Analysis**
  + **Food Industry Analysis**
* Learn **Advanced Excel**formulas and functions for data management
* Master **Statistical Analysis** for visualizations and interactivity.

Don't miss this opportunity! Join the course now! Become a **data analyst expert** and start your career journey in one of the fastest-growing field of **data analytics** and dare to stay a part of the**competition.**

**Key Highlights:**

* **2 Live Classes** Every Week
* **30+ hours**of Beginner to Advanced Self-Paced Content
* Work on Multiple **Real-Life Projects** and implementation
* Industry Recognized **Certificate**
* **Articles** to supplement the learning experience
* Learn industrial tools including **Pandas, Numpy, Excel, SQL, Tableau**, and more
* Hands-on practice with **Real-World Datasets**

**Syllabus:**

**Week 1: Excel**

**Day 1: Introduction to Excel for Data Analysis**

* Overview of Excel interface
* Basics of navigating and working with sheets
* Introduction to cells, rows, columns, and ranges
* Understanding basic functions (SUM, AVERAGE, COUNT)
* Working with mathematical and statistical functions
* Introduction to text functions for data manipulation

**Day 2: Advanced Formulas and Functions**

* Working with logical functions (IF, AND, OR)
* Exploring lookup functions (VLOOKUP, HLOOKUP, INDEX, MATCH)
* Introduction to array formulas
* Identifying and handling missing data
* Removing duplicates and dealing with errors
* Text-to-columns and data-splitting techniques
* Formatting data for analysis
* Creating basic charts and graphs
* Tips for effective data presentation
* Introduction to PivotTables for dynamic data analysis
* Creating Pivot Charts for visual insights
* Customizing and formatting PivotTables and Pivot Charts
* Time-saving shortcuts and productivity hacks
* Excel with AI

**Week 2: SQL**

**Day 1: Introduction to SǪL and Database Fundamentals**

* Overview of SǪL and its applications
* Introduction to Relational Databases
* Basic SǪL syntax and structure
* Creating and modifying tables with CREATE and ALTER
* Understanding data types and constraints

**Day 2: Retrieving Data with SELECT Statements**

* Basics of SELECT statements
* Filtering data with WHERE clause
* Sorting results with ORDER BY

**Week 3: Advanced SǪL Techniques**

**Day 1: Aggregation and Grouping**

* Understanding aggregate functions (SUM, AVG, COUNT)
* Grouping data with GROUP BY
* Working with complex WHERE conditions
* Using operators (AND, OR, NOT, etc)

**Day 2: Window Functions and Analytic Queries**

* Introduction to window functions
* Performing analytic queries with OVER clause

**Week 4: Advance SǪL**

**Day 1: Joins and Subqueries**

* Performing INNER and OUTER joins
* Using subqueries for complex queries

**Day 2: Case Statements and CTE Queries**

* Understanding and using CASE statements in SǪL
* Applying CASE statements in data analysis scenarios
* Introduction to Common Table Expressions
* Using CTEs for recursive queries and data manipulation

**Week 5: More on SQL**

**Day 1: Time-saving shortcuts and productivity hack**

* Optimization of queries
* Optimization of queries using AI
* Interview based SǪL queries

**Day 2: Working on live project**

* Working on industry orient data
* Problem-solving using SǪL on industrial data

**Week 6: Introduction to Python for Data Analysis**

**Day 1: Introduction to Python and Jupyter Notebooks**

* Overview of Python programming language
* Introduction to Jupyter Notebooks for data analysis
* Variables, data types, and basic operations
* Lists, tuples, and dictionaries
* Inbuilt functions

**Day 2: Data Manipulation with Python**

* Conditional statements and loops
* User deﬁned functions
* Functions such as map, ﬁlter, lambda

**Week 7: Exploring Data with Pandas & Matplotlib**

**Day 1: Data Manipulation with Pandas**

* Overview of Pandas Library
* Reading and writing data along with basic operations with Pandas

**Day 2: Data Cleaning and Preprocessing with Pandas**

* Handling missing data
* Removing duplicates and dealing with outliers
* Cleaning and adjustments in data

**Week 8: EDA & Data Visualization**

**Day 1: Exploratory Data Analysis (EDA) with Pandas**

* Descriptive statistics and data summarization
* Grouping and aggregating data
* SǪL like operation in data

**Day 2: Data Visualization with Matplotlib**

* Creating basic plots (line plots, scatter plots, histograms)
* Customizing and styling visualizations

**Week 9: Real-time Python**

**Day 1: Advanced Data Analysis with Numpy**

* Introduction to Numpy for numerical operations
* Working with arrays and matrices

**Day 2: Advanced Data Visualization with Seaborn**

* Creating informative and aesthetically pleasing visualizations
* Pair plots, heatmaps, and advanced plotting technique

**Week 10: Statistical Analysis**

**Day 1: Data Modeling and Relationships in Power BI**

* Creating a data model in Power BI
* Understanding relationships between tables
* Implementing calculated columns and measures
* Using DAX (Data Analysis Expressions) for advanced calculations

**Day 2: Visualizations and Interactivity**

* Creating common visualizations (bar charts, line charts, etc.)
* Customizing visualizations for better insights
* Adding interactivity to reports and dashboards
* Implementing drill-through actions for detailed analysis
* The Art of Storytelling with Data
* Principles of Effective Data Storytelling
* Importance of narrative in data presentations
* Building a cohesive narrative in Power BI
* Using bookmarks and storytelling features

**Week 11: Power BI for Real-Time Analytics and Advanced Features**

**Day 1: Real-Time Dashboards**

* Setting up real-time data streaming in Power BI
* Creating dashboards for live data monitoring

**Day 2: Advanced Features and Custom Visuals**

* Exploring custom visuals and visuals from the marketplace
* Leveraging advanced features like forecasting and clustering
* Case Studies and Discussion
* Reviewing case studies of effective Power BI usage
* Ǫ&A and discussions on best practices in storytelling with data

**Conclusion:**

Don't let this **opportunity** go away! Make your first step and gear yourself with skill set required to advance your career in **Data Analytics.** The course**'**[**Data Analytics Training**](https://gfgcdn.com/tu/QH2/)**'** is designed to equip students with various skills of **analyzing, interpreting and visualizing** data effectively with effectively utilizing the use of**Excel, Python, SQL and Power BI. Excel**provides foundational knowledge for **data management and analytics.** **Python** introduces programming for **advance analysis** and **machine learning**. **SQL** is important for **managing databases** and**large datasets querying,** while**Power BI**allows**strong data visualization** and **business intelligence reporting.**