cirvee

Data Analysis Professional Program

Duration: 4 Months (16 Weeks)
Mode: Physical & Virtual

Summary

Learn to clean, analyze, and visualize data confidently using tools like Excel, SQL, Python, and Power BI. This program takes you from beginner to job-ready analyst through practical, real-world projects that sharpen your problem-solving and business insight skills

Course Overview

Data shapes everything around us, from the way businesses grow to how communities make better decisions. T**he Cirvee Data Analysis Professional Program** is built to help you master the real tools and techniques that turn raw information into powerful insights.

In this program, you will learn through live demonstrations, guided exercises, and hands-on projects that mirror what real data analysts do every day. You will move from organizing simple spreadsheets to working confidently with databases, Python scripts, and interactive dashboards that bring data to life.

Our instructors bring years of industry experience and know how to make complex ideas simple. Every lesson follows Cirvee's approach to practical and relatable learning, designed with Nigerian examples and real case studies you can connect with. You will complete full projects, learn to communicate insights clearly, and build a portfolio that truly reflects your skills.

By the end of the program, you will not just know how to analyze data. You will know how to tell compelling stories with it, make smarter decisions through it, and build a career that is driven by clarity, confidence, and impact.

Modules Overview

01. **Orientation and Introduction to Data Analysis**
Understand data, analytics roles, and the full data lifecycle. Set up your workspace with Excel, Power BI, and Python

02. **Types of Data and Data Sources**
Explore structured and unstructured data, formats, APIs, and ethics while working with real datasets.

03. **Data Cleaning with Excel**
Handle missing values, duplicates, and errors using Excel's cleaning functions.

04. **Advanced Excel for Analysis**
Master pivot tables, lookup functions, and dashboards for business insights.

05. **Introduction to Databases and SQL (Part I)**
Learn database concepts and perform your first SQL queries using SELECT, WHERE, and ORDER BY.

06. **SQL for Analysts (Part II)**
Work with joins, aggregations, and subqueries to extract meaningful insights.

07. **Python for Data Analysts (Part I)**
Set up Jupyter Notebook, understand Python basics, and write scripts for data handling.

08. **Python for Data Analysts (Part II)**
Use pandas and NumPy for efficient data cleaning and transformation.

09. **Exploratory Data Analysis (EDA)**
Visualize patterns and relationships using Matplotlib and Seaborn.

10. **Data Visualization and Dashboarding (Part I)**
Tell stories with visuals and build your first Power BI dashboard

11. **Data Visualization and Dashboarding (Part II)**
Create interactive dashboards using DAX formulas, filters, and slicers.

12. **Statistics for Data Analysts**
Apply descriptive and inferential statistics to interpret data accurately.

13. Introduction to Predictive Analysis
Run regression and forecasting models to predict trends

14. Business Intelligence and Data Storytelling
Transform findings into reports that drive real-world business decisions

15. Capstone Project – Data Analysis Case
Analyze a complete dataset end to end and present insights professionally.

16. Portfolio Presentation and Career Prep
Showcase your project, build your portfolio, and get guided career support.

Career Opportunities

After this program, you can work as a:

Data Analyst	Business Intelligence Analyst
Reporting Analyst	Data Visualization Specialist
Operations Analyst	Junior Data Engineer

Stay Cirvee Tip

"Numbers talk, trends whisper, and insights shout. Cirvee teaches you how to make data speak loud enough to change the game."

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