

Business Analyst Career Program

Capstone Project

Hello Learners,

We are excited to finally announce the Capstone Project. This project is your opportunity to present your Business Analytics skills. The project includes Financial Data of Western countries.

You have to use your Business analytics skills and perform Statistical analysis using various Tools and Technologies you have learned.

Present your project using **Slides/PPT** with reference to the below mentioned actionables and make appropriate use of relevant tools and technologies to derive Insights from data and Make a Dashboard to show your analysis.

Problem Statement:

Perform Business Analysis by using tools such as SQL, Excel, PowerBI, Tableau on Western Countries Financial Data Dataset. Explore the Data and perform the below mentioned Actionables. Make a PPT for the Capstone Project including all the relevant Picture, Excel & PowerBI files , Inferences and conclusion.

Download the [Western Countries Financial Data](#) Dataset from here.

Actionables:

1. Explore the Data using Excel . understand the data and prepare a short summary about the dataset.
2. Perform Data cleaning if required and then do Statistical Analysis on data using statistical tools.
3. Perform Graphical Analysis on the Data using Excel and Derive insights from it.
4. Insert the given data into the SQL server by making a Database and defining the required parameters for the construction of Database and Database tables.
5. Verify if the data is properly imported into the SQL database(Try running few Queries)
6. Import the Data from the SQL Database into PowerBI ,verify if the data is properly imported or not.
7. Perform Data cleaning and other possible operations on data using query editor ,create measures if necessary and use them to Visualize the data and make an interactive visualization.
8. Make a Detailed Interactive Dashboard by using visualization tools such as PowerBI and Answer the following questions :
 - Product wise Sales
 - Segment wise Profit
 - Yearly sales
 - Country wise Sales
 - Profit and sales by Qtr
 - Yearly profit

- Top 2 countries
- Bottom 3 products
- Product wise discount
- No. of units sold year over year
- Segment wise Product Sales
- Segment wise product wise profit

9. Create a Visually pleasing Dashboard report by following the rules of making the Dashboard.

10. Derive Conclusion and Inferences from the Dashboard.

Please Submit Your Capstone Project using a PPT and insert required files in it , For reference please refer Capstone Guide.

Upload a Zip file which should have the Excel file with Statistical and Graphical Analysis and PowerBI file along with PPT in the Google form.

We request you to join the live session on **14th March 2023 (Tuesday)** at **5 pm - 6:30 pm** to better understand the Capstone Project. Additionally, We would also be releasing a “[Capstone Guide](#)” to help you submit the project.

The deadline to submit the project is 9th April 2023 . This Capstone project is of 100 marks ,so plz perform every step of the project carefully and properly document it in the PPT.

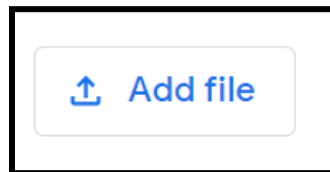
Process for Submission

Please upload your Project files via the Google Form before the deadline (9th April, 2023 11:59 pm).

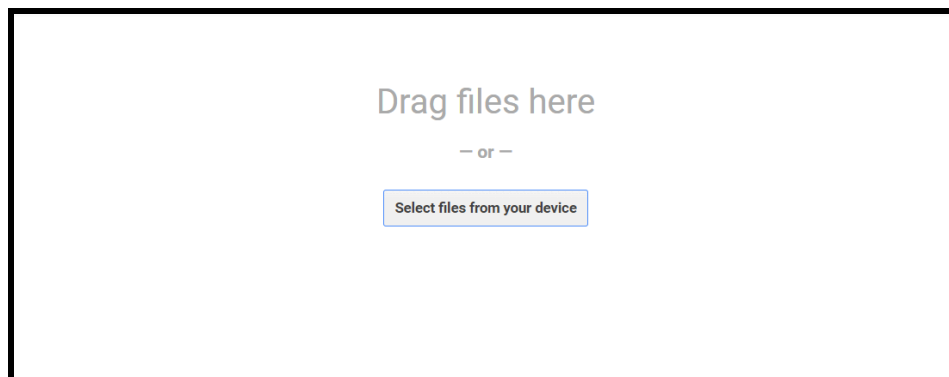
[CLICK HERE](#) to Access the **Google-form**.

Steps to submit the assignment:

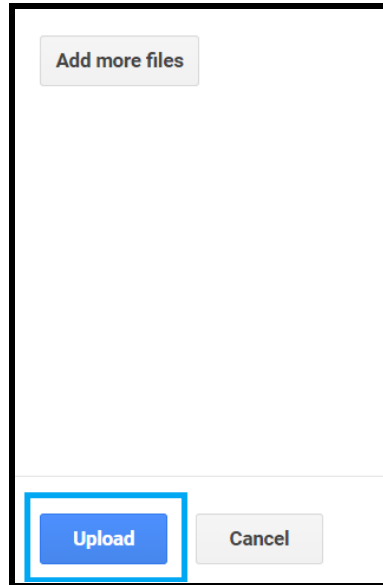
1. Open the Google Form.
2. Enter your email id, name, assignment name.
3. And upload the assignment file by clicking the Add file button.



4. You can upload the file by clicking Select file from your device or by dragging the file and dropping it in the window opened.



5. Select your assignment file and click the Open button.
6. After selecting the file click on the Upload button.



7. Once the file is uploaded, click on the Submit button.

