

Power BI Project: Data Analysis and Visualization

Project Overview: The Power BI project aims to analyze and visualize a dataset using Power BI Desktop and Power BI Service. Students will create interactive dashboards and reports to gain insights from the data and present their findings in a video demonstration and PowerPoint report. For this project you will use the dataset in the Excel file ([2. Project Dataset](#)).

Project Components:

1. Power BI Desktop Project:

- Develop a Power BI project in Power BI Desktop.
- Perform data modeling and transformation. Use ([3. Data Modeling and Data Cleaning Task](#)) file
- Implement calculations, measures, and visualizations to answer project questions. Use ([4. Project Questions Task](#)) file
- Create row-level security (RLS) rules. Use ([5. Row-Level Security Task](#)) file
- Publish it to Power BI Service and Publish the app. Use ([6. Power BI Service Task](#))

2. Video Demonstration ([7. Video Task](#)):

- Record a 5-minute video demonstrating the Power BI project.
- Showcase the project in Power BI Desktop and Power BI Service.
- Highlight key visualizations, insights, and functionalities.
- Discuss the project's objectives, findings, and conclusions.

3. PowerPoint Report ([8. PowerPoint report Task](#)):

- Prepare a PowerPoint report summarizing the project.
- Include answers to project questions, visualizations, and findings.
- Organize the report in a clear and professional manner.

Submission Details:

- **Submission Deadline:** **19/05/2024 at 23:59**
- **Submission Files Zip file: (By only one member of each group)**
 1. Power BI Desktop (.pbix) file: Name it by the your group number follow by Project Name.
 2. Video demonstration (MP4 or similar format)
 3. PowerPoint report (PPTX or similar format)
- **Peer Evaluations** (To be submitted individually by each member of the group to the UBYS system). Use ([9. Peer Evaluation Form](#))
- **Submission Platform:** UBYS system

Note to Students:

- This is a group assignment.
- Plagiarism will not be tolerated. Ensure that the work submitted is entirely your own.
- The deadline for submission is **19/05/2024 at 23:59**.
- Late submissions will be subjected to a grade penalty.
- **This project carries 50% of your total final exam grade.**
- **Bonus extra points** will be awarded for creativity in dashboard design.