

BUSINESS STATISTICS CAPSTONE PROJECT

INSTRUCTION:

1. This project should be done in group of 5 people.
2. All groups are required to select the theme given and identify the suitable data set accordingly to the theme chosen.
3. **Data Set: Open Data** is compulsory to use in the capstone project. You may select **any open data from any country in the world**. As long as it is relevant to the theme chosen. Students are not allowed to conduct a survey.
4. **Project Deliverables:** To successfully complete this capstone project, you are required to deliver a full report that addresses the capstone theme. The final report should be presented in a professional format.
5. **Presentation:** All groups are required to present their findings.
6. **BONUS:** Additional 10 marks will be given with creative data visualization.

THEME:

Please select only **ONE** theme:

1. The Vulnerable Group: Because We Care
2. Traveler Experience
3. Disruptive Technology for 4.0 Industrial Revolution
4. Preventive is Better than Cure

TASK:

1. Select the theme.
2. Identify and select suitable data sets which reflect to the chosen theme.
3. Identify the objectives of the analysis which reflect to the chosen theme. The number of objectives should not more than 5 objectives.
4. Describe and prepare the data set chosen. You must choose both type of description (visual and numerical) in summarizing the data set. Use Power BI for this!
5. Perform inference. Apply the appropriate statistical techniques to extend the results obtained from the data set chosen. Number of method chosen is not restricted as long as it can report the reliability of the results.

Note: You may choose either to have estimation, hypothesis testing, correlation analysis or prediction (including Regression or Time Series).

6. Write and present your findings for the Capstone Project.