

WIH2001 Data Analytics
SEMESTER 2, SESSION 2021/2022
Group Project (20%)

1. Each group maximum 4 members ONLY.
2. Choose a specific SDG for your storyboard proposal project
3. Get a dataset related to your project. Possible datasets from (not limited to):
<https://aseandse.org/datasets/>
4. **State the SDG addressed and provide the title of the project** at Google Sheet.

Leader please fill-up this google sheet by 8 May 2022 12pm.

https://docs.google.com/spreadsheets/d/1m_912A0oOID5vjgRySvn9BZzhLU4sQREvazTGRftCg/edit?usp=sharing

One type of SDG maximum 2 groups. First come first serve. Can't change the chosen SDG once written in the Google Sheet. There are total 17 SDGs. See
<https://sdgs.un.org/goals>

5. Requirements:
 - a. Determine the SDG and Title (latest by 8 May 2022)
 - b. Determine the Problem Statements
 - c. Determine the Objective of the Analysis and what answers are you interested to find through analysis of the dataset?
 - i. Must have **at least two questions.**
 - ii. It is best to have different types of problems, i.e. prediction/regression, classification, similarity matching and others.
 - d. Identify the datasets to achieve the objective and ensure to justify the suitability of the dataset/s
 - e. Conduct the Data Analytics using any tools/algorithms of your choice. Explain the suitability and the limitation of this chosen tool/algorithms
 - f. Develop data analytics storyboards/proposals. See
<https://aseandse.org/asean-dse-storyboard/> for examples. This is just an example and don't have to follow the exact same format.

Plagiarism:

Your attention is drawn to the no-cheating policy. This covers cheating, attempts to cheat, plagiarism, collusion and any other attempts to gain unfair advantage in assessment. The work you submit must conform to this policy. If cheating is discovered, any parties involved will take equal blame (get zero).

- g. Maximum 10 slides per storyboard.

6. **Video presentation:** Each group is required to submit a recorded video (switch one the camera and presenter face is shown) which may be presented/played during team meet, followed by Q&A.
- Short introduction with problem statements, objective of the project, datasets
 - Explanation of all the processes involved in the project.
 - Results may include visualization, prediction, evaluation of models and discussion of output.
 - Conclusion/Recommendation
 - Video maximum 5 minutes (not more)
 - Only one member per group will submit the link to the video and the storyboard proposal in pdf (the leader) using the Google Sheet. Include the names of ONLY the contributing member and student ID in the video intro. Every member must present their parts. Any members not active during the project has to be reported to the lecturer as soon as possible.
7. Link submissions: Both links to **the (1) recorded video (mp4) and the (2) storyboard (pdf)** has to be shared in the Google sheet by the **leader latest by Week 12 (10 June 2022) by 5pm**. Ensure it is accessible (EDITOR permission) by all. These video and storyboard are also for the viewing of your course mates.
8. Marks will be given based on:
- Content of Storyboard – 5 marks
 - Data Analytics techniques used – 5 marks
 - Presentation – 5 marks
 - Q&A – 5 marks

[TOTAL 20%]

9. Late submission will be subject to mark deductions.

Wishing all of you best of luck.

**Prepared by:
Assoc Prof. Dr. Sri Devi Ravana
8 April 2022**