

Practical application (20%)

- Pick a topic of your choice
- Define a problem and solve it
- Preferred to be related to data analysis and business economies

Project Idea

1. Stock analysis and alert
2. Compare similarity of 2 instagram profile
3. Predict the visa application approval
4. Predict the chance of getting accepted to particular undergraduate programme through JUPAS
5. Badminton court booking system (not really data analysis related)
6. Simulation of a gambling game
7. Get data from Hong Kong Observatory and suggest what you should wear
8. Compare price of virtual goods in different online marketplace

Basic programming (30%)

1. Correct usage of
 - Data Structures (including List, Dictionary, Set)
 - Function
 - For Loop/While Loop
 - Condition
 - Error Handling
2. Correct Logic
3. Simplicity of logic
4. Easy to read the code

Library usage (40%)

Correct usage of libraries, e.g.

- Getting Data online
- Google Sheet Integration
- Telegram Integration
- Data Visualization
- Statistical / Machine Learning Modeling and Prediction
- Any others that you learnt inside the class
- Any others that you learnt somewhere else

The more complex library usage being used correctly, the higher your marks.

Presentation (10%)

- 10-15 minutes Live presentation at the last Class
- Content
 - What's the problem you are trying to solve
 - How's your program solve the problem
 - Demonstrate how your program work/ Go through the data analysis
 - What are the interesting libraries that you used?
 - Any complex logic in your project that you want to show off
 - Any other interesting thing
- It's not a must for you to show your code in presentation. Do that if you think that help you to explain things
- We don't need everyone to speak. The whole group share the same score.
- Evaluation
 - Good presentation flow, Clarity of your points, Pace of your presentation

Project Evaluation - BONUS

- Cool features of the project (up to 10%)
- Real life usage (up to 10%)