SIT112 – Assignment2

Group:☒ Individual:☐

Graded out of: 30

Weight: 30%

Due date:	Saturday of Week 9	10 pm, 5th of September 2020

Submission: Online:☒   Hardcopy:☐

Instructions: Students submit using the submission tool located under the Resources and Assessment section of Moodle.

Summary:

This is a **group assignment** contributes 30% to your final SIT112 mark (20% Group; 10% Individual). The assignment must be completed and submitted through Deakin Moodle Assignment submission link by the due date.

The theme for this assignment, and the subsequent data science project, is to continue to explore real world data problems. In this assignment, each of the groups will be provided with location coordinates and a set of keywords. Each set contains three keywords. Each group will need to perform two tasks:

- Crawling data from Twitter for the location with the provided coordinates using the provided keywords;

- Performing analytics tasks as instructed in the Jupyter notebook supplied

Key Criteria/ Tasks:

1. Assignment Resources

In the Assignment 2 folder, you will find the following files:

Filename	Description
Assignment2_instructions.pdf	This is the assignment instruction file, which contains information for submission instructions.
Assignment2_notebook.ipynb	This is the Python (Jupyter) notebook, which has been prepared and partially completed for this assignment. You will need this notebook to complete your assigned tasks.

These are the files you will be required to work with for this assignment. **The location coordinates (latitude, longitude, radius) and the keywords will be provided individually to each group.**

2. Task Description

The description of assigned tasks has been given in details in the assignment notebook. **You are required to follow the instructions in the notebook to complete your tasks**.

3. Submission Instruction

Each group needs to submit only one solution. You are required to submit **five** files **COMPRESSED INTO ONE (1) ZIP file.** This ZIP file should be named as [groupID]_asignment2.zip.

Your .ZIP file will contain following five (5) individual files:

- Solution notebook: **[groupID]_assignment2_solution.ipynb. [groupID] is your group ID or group name.**

- An HTML exported version of your output: **[groupID]_assignment2_output.html**
- **Three** .json data files storing tweets collected for three keywords, named **[groupID]_[w1].json**, **[groupID]_[w2].json**, **[groupID]_[w3].json** where **w1, w2, w3** are three keywords you selected. For example: 10_game.json if your group ID/name is 10 and you choose the keyword "game".

Please follow the given instructions in the Assignment 2. Ipynb (jupyter notebook) to complete your assigned tasks.

END OF ASSIGNMENT DESCRIPTION

Relevant Content Weeks & ULOs

☒ Week 1   ☒ Week 2   ☒ Week 3   ☒ Week 4   ☒ Week 5   ☒ Week 6
☒ Week 7   ☒ Week 8   ☐ Week 9   ☐ Week 10   ☐ Week 11   ☐ Week 12

☒ ULO1   ☒ ULO2   ☐ ULO3