Web Data Analytics

Homework #4

Total Points: 50

Ground rules about study groups: You may form a study group with other fellow students. As a study group, you may discuss the assignment, exchange ideas, and clarify questions for each other. However, any form of plagiarism, e.g., copying each other’s answers, is strictly prohibited and will be prosecuted based on the academic integrity policies and procedures. If you participate in a study group, you must include the name of the group members in your submission.

You are free to consult any external resources for reference.

Study group members (if any):

**Twitter API and Sentiment (50 points)**

# In this Homework you are required to use the twitter stream listener from the tweepy library to obtain the most recent 50 tweets about a specific keyword. Once you have obtained the 50 tweets, use Microsoft Azure text analytics to obtain the sentiment of each tweet. Then report the average sentiment of all the tweets for that specific keyword. You should structure your code so that it can work with any keyword provided. You should ask for the keyword as an input for the user.