

IS340 – Business Application Programming

Fall 2020

Extra Credit Assignment 2 – Due 12/9 @ 11am

NOTE:

Please paste code in a word document. Take a screenshot of your program output and paste in the word file after the code.

In addition, upload the python files (.py) and word document to the relevant Dropbox folder in beachboard.

The name of the python file should be lastnameEC#Q#.py. For example, AbdelhamidEC2Q1.py

Question 1. (50 points)

1. Write a program that reads data from “rest.xlsx”.
2. The program should read data in the “stars” and “review_text” columns.
3. Compute the average, minimum, maximum, range, and standard deviation for both stars and the sentiment polarity and print the results.
4. Create functions to calculate the minimum, maximum, range, and average (DO NOT USE THE STATISTICS LIBRARY).
5. You can use statistics library to calculate the standard deviation **only**.
6. Print the results.
7. Write a few lines summarizing the results. What insights can you give to Applebee’s and Olive Garden?

N.B. your code should show appropriate use of naming conventions, formatting, best practices, practicality, and comments. In addition, your code should show appropriate use variables, functions, lists, loops, exception, and if statements.