Project 09 Answer Key and Grading Guide

https://datamine.purdue.edu/seminars/fall2019/stat19000project9.html

General guidelines

Generally we don't want to penalize incorrect answers too heavily. What's important is that the student makes an honest attempt at a solution and provides rationale for their methods. Remember, it's all about the learning.

• Each assignment is worth 10 points

Accepted file formats

To receive full credit, students must use the provided project template.

• If a solution's formatting deviates significantly from that of the template, deduct 0.5 points.

Adding comments to student assignments

Create a text file called grader_notes.txt in each student's project folder. Put any comments or corrections in there.

Project-specific guidelines

For any given problem...

- deduct 0.5 points for missing code (if code is required to solve this problem)
- deduct 0.5 points for missing output (if output is required to solve this problem)
- deduct 0.5 points for missing comments
- deduct 0.5 points for incorrect solutions

... for a minimum score of 0 on the individual problem.

Question 1a (2 pts)

Use awk to solve Project 3, Question 2b, namely: How many passengers (altogether) rode in yellow taxi cab rides in New York City in June 2019?

Question 1b (2 pts)

Use awk to solve Project 4, Question 2b, namely: What is the mean total number of passengers in a New York City yellow taxi cab ride in June 2019?

Question 2a (2 pts)

Use awk to analyze the 8451 transactions data: find the total amount (in dollars) spent on grocery purchases (altogether) on 23 December 2017.

Question 2b (2 pts)

Use awk to find the average amount (in dollars) spent in a transaction, on 23 December 2017.

Question 3a (2 pts)

Use awk to find the average amount (in dollars) in a donation in the 2018 election campaign.