

Week05_01_activity

May 2, 2023

0.1 Week05.1 Team Activity

Thursday May 4th, 2023 - upload PDF with photograph (either rendered or a separate file) Due by 11:59pm

If you missed class – no credit for this activity, instead, I drop two unexcused absences from the Monday/Wednesday activities before deductions begin.

- **Please identify your team & the names of your teammates.**
- **Please insert a team photo somewhere in this notebook. If you cannot get the to render correctly to PDF please upload a separate file of the photo**
- **Please make certain that all of your teammates agree upon and understand the team answers. Thank you.**

0.2 Dear Teams

There is a dataset named “tc.csv” which contains traffic collision records for Los Angeles City from 1/1/2019 to 12/31/2022. It was posted to Week 5 of BruinLearn.

Please attempt as many of the following as a team, there is no expectation of completing this during class, instead, I would like you as a team to work on this over the next day or so as practice for the final team project:

1. Convert it in to a Pandas DataFrame. What might be an effective way to convert the values in its “Date Occurred” column to a more correct type?
2. What are two ways we can set the DataFrame index to store the DR Number (first column of the data)?
3. Run a set (your choice) of descriptive statistics, counts, etc. to get a sense of the data
4. How can we count the number of accidents per Area ID or Area Name in this data set?
5. What is the most dangerous intersection in Los Angeless - as measured by number of accidents or (more of a challenge) the number of fatalities (MO Code would have a 3027)

As always, what is important is a team effort and that everyone on the team has an idea of how to do these things.

0.3 What to submit for credit

- Please upload the Jupyter Notebook (.ipynb) and PDF (preferred) OR .html (OK) to Bruin Learn with your team attempt. Please make sure every team member understands the con-

tents of the notebook.

- This is due before 11:59pm Thursday 5/4/2023