

# Spring 2024 CS 230 Final Project Data

## Interactive Data-Explorer: Tell a Story with Real-World Data

In this last project you will develop an interactive data-driven web-based Python application that tells a story with real-world data. You will show your mastery of many coding concepts as you interact with real-world data. You will use Pandas for managing and interacting with data, Matplotlib, or other charting packages for creating charts and graphs, PyDeck (or other mapping packages) for maps, and the Streamlit package for creating interactive web applications using Python.

**Your assigned dataset is listed in a table below.** Find your assignment in the end of this document. Failure to use the assigned dataset will result in a zero for your final project.

Read about your assigned data set using the links below, then [download the data files from here](#). Note, some data sets instruct you to use 10000 records only (that's because the original file is much larger, and a random sample of 10000 records is provided) – download and work with that version of the dataset.

1. [London Pubs](#) (51330 rows, use 10000)
2. [Motor Vehicle Crashes in MA in 2017](#) (145068 rows, use 10000)
3. [Rest Areas in California](#) (87 rows)
4. [Bridges in Georgia](#) (15034 rows, use 10000)
5. [Nuclear Explosions 1945-1998](#) (2046 rows)
6. [Starbucks Locations](#) (25600 rows, use 10000)

You can [download the data files from here](#).

Student	Dataset		Student	Dataset
Castagliuolo	3		Ahmed-Ramirez	3
Desmond	2		Arcari	2
Dodge	4		Augustine	4
Gao	6		Bey	6
Harman	1		Cunningham	1
Johannes	2		DiPrizio	2
Kirnon	3		Duntin	3
Kvinikadze	4		Go	4
Lampe	5		Goodney	5
Lukens	6		Guerra	6
Muehlberg	3		Hoti	3
Nalette	2		Kingsley	2
Ng	1		Kuhl	1

Palazzo	2		Lin	2
Parekh	3		Ling	3
Rice	4		Nyamwange	4
Rose	5		Rao	5
Sanchez	6		Rauch	6
Tannady	5		Springfield	5
Toussaint	4		Webber	4
Zheng	1		Xia	1
			Ye	3
			Zhao	2
			Zocco	4

## Project Description and Policies

Will follow in a separate document