Day 1: 10/23

* Brainstorm project idea
* Submit

Day 2: 10/25

* Gather data
  + Law Data
  + State/City Data
    - Research available sources to find detailed information. Look at Federal, State, City level.
    - Research if gun specific crime data is available
  + Milestones:
    - Review available data for how to join different sources
      * County
      * City
      * Zip Code
    - Review available data for how to get gun specific crime data, and if project scope needs to be revised.

\*\* Change in Scope: Decided to go from city level to country/State, to compare laws and crimes against all states at a higher level due to availability of data.

* Clean Data
  + Modify data for commonality between datasets
  + Gun Laws
    - Categorize by severity
    - Mike
  + Census Data
    - Get state populations by year, zip code
    - Juan
  + Crime Data
    - Aggregate by year and state
    - Laurel

* Data Comparisons
  + Graphs of laws by state

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| --- | --- | --- | --- |
| Data | Location | Type | Granularity |
| Gun Laws by state | <https://statefirearmlaws.org/resources> | XLS | Year, State |
| Murder by Weapon | <https://ucr.fbi.gov/crime-in-the-u.s/2011/crime-in-the-u.s.-2011/tables/table-20> | XLS | State, Firearm Type, 2011 only. Would need to pull for each year. |
| Lunar Cycles | <http://aa.usno.navy.mil/data/docs/api.php> | Api |  |
| Data exploration examples | Mike M [8:51 PM]  <https://www.kaggle.com/shivamb/deep-exploration-of-gun-violence-in-us/notebook> |  |  |
| Gun Violence Data | <https://www.kaggle.com/jameslko/gun-violence-data> | Csv |  |