**Project Timeline**

Weekly Meetings: Mondays @ 2:30 - 5:00 PM or Thursdays @ 3:30 - 5:00 PM

Hashtags:

#Gaza

#ProIsrael

#ProPalestine

#IsraelPalestineWar

| **Assignment** | **Due Date** | **Who** | **Notes** |
| --- | --- | --- | --- |
| Data Scraping | 11/9 | Michelle | More hashtags |
| Data Analysis | 11/12 | Everyone | Basic exploratory  findings |
| Manual Classification of Data | Monday,  11/20 | Everyone | Pro-Palestine (+1), Pro-Israel (-1), Neutral (0) |
| Code | Our due date:  Actual Due: 12/10 | Model #1:  Model #2:  Model #3: | kNN,  Decision trees,  SVM |
| Presentation Slides | Final Draft: 12/2  Actual Due: 12/3 | Everyone | Split sections up and assign to respective person |
| Presentation (in-class) | Practice: 12/3  Presenting: 12/5 or 12/7 | Everyone | TBD |
| Report | First Draft: 12/2  Final Draft: 12/8  Actual Due: 12/10 | Everyone | TBD |

1. Data preprocessing - fix hashtags
2. Manually classify tweets - **Monday 11/20**
   1. Get rid of foreign language tweets
   2. Pro-Palestine (+1), Pro-Israel (-1), Neutral (0)
      1. 2-201, 1085-1170: Jonathan
      2. 202-401, 1171-1255: Steph
      3. 402-601, 1256-1340: Kaiden
      4. 602-801, 1341-1437: Quan
      5. 802-999, 1000-1084: Michelle
3. Analysis - **Nov 27**

* Sentiment Scores (Done)
* Data Preparing: TextBlob, Tfidf vectorizer, tfidf transformer (Michelle)
* Running SVM (Kaiden), DT (Steph), NB (Michelle)
* Compare Sentiment Scores to our Classifications (Jonathan)
* Visuals

Write-Up**/Abstract Dec 3**

Project Abstract (one or two sentences for each bullet point below)

* Title
* Project area
* Motivation
* Data scientific question (concise)
* Data (provide the most relevant information)
* Approach (precise details of the machine learning algorithms and design choices)
* Expected or obtained results (along with metrics and units)
* Insights, ethical considerations, conclusion
* Future direction

**Presentation Slides**

1. Motivation (Evaluate relevance and potential impact) Michelle

2. Concise problem definition (Novel, interesting?) Jonathan

3. Related work (Directly related) Stephanie

4. Data (Visualize, provide statistics, explain, why is this the best dataset for the problem?) Michelle

5. Approach (metrics, units, evaluation criteria, why is this the right approach?) Kaiden

**EVERYONE:**

6. Experiments (structured, in order, principled and rigorous)

7. Results (Comparable to related work based on evaluation criteria)

8. Discussion of findings and insights (Important, the contribution)

9. Limitations and future work (Constraints due to data/approach, etc? What is next?)

10. Conclusion (Key take-aways, contributions)

**(1 point) Title: Your main finding to the question you answered**

**(2 point) Abstract: Check the abstract assignment for more details**

**(4 points) Section: Introduction, includes motivation (evaluate relevance and potential impact), concise problem definition (Novel, interesting?), overview of the project and then findings**

**(4 points) Section: Related work (directly related)   
(4 points) Section: Data (visualize, include statistics, why is this the best dataset for the problem?) - Jonathan  
(4 points) Section: Approach (metrics, units, evaluation criteria, diagrams and visualizations will make this section stronger)  
(4 points) Section: Experiments (structured, in order, principled and rigorous)  
(4 points) Section: Results (comparable to related work based on evaluation criteria, include figures and charts)  
(4 points) Section: Discussion (of results, findings, and insights - - important, the contributions)  
(1 points) Subsection: Limitations and future work (constraints due to data/approach, etc? What is next?)  
(4 points) Section Ethical considerations (positionality and sociotechnical, philosophical, etc considerations) - Jonathan  
(4 points) Section Conclusion (key take-aways, contributions)**