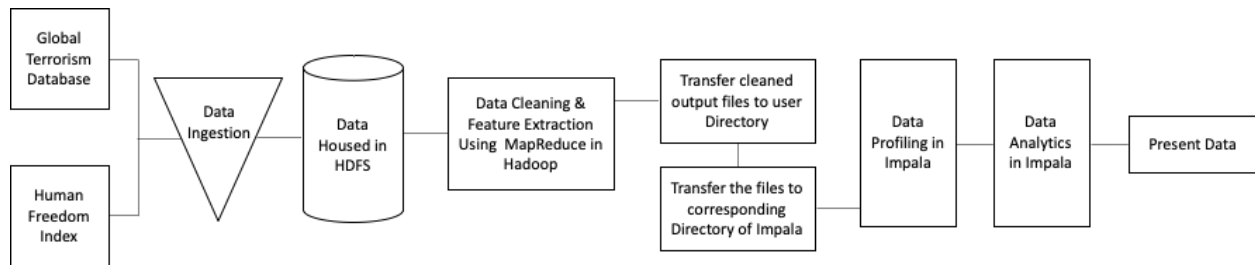# 1. Team Project Proposal (TPP)

Honor Pledge: Many of you are working with project partners with whom you must share your code and findings, and that is fine and expected. With this honor pledge you assure that no project deliverable (code or writing), or part of a project deliverable, has/ will be included in your respective projects without proper attribution to the original author/programmer. And you also pledge that no part of this project has been used for another class. If in doubt, ask the professor. **Yes, we do.**

1. **Project Title:** Exploring relationship between terrorism and freedom.
2. **Project Description:** We will be exploring the relationships between terrorism, both domestic and international, and freedom. We plan to experiment various aspects of both personal and economic freedom using the Human Freedom Index. We are especially interested in the correlation between freedom of speech/expression with terroism, influencing or being influenced by one another. Through extensive exploration of the datasets, we would like to depict any relationships between terrorism and freedom in a global context and make illustrate some of the connections.
3. **Who will benefit from your analytic?** This analytic will benefit policymakers, in understanding what the relationship between terrorism and freedom markers is. Terrorism has been a contrast topic of conversations in the past few decades so this analytics will also benefit the public in general, by hopefully providing some insight into this relationship.
4. **What insight will you derive from the data?** The connections between terrorism and freedom in various aspects, economic and personal, particularly in freedom of speech.
5. **Describe how you will check the goodness of the analytic. i.e., why do you believe that the results are accurate and can be trusted?** The goodness of the results will be hard to check, specifically because we are comparing two areas that are highly influenced by external factors and hard to be isolated. However, we hope to validate our outcome with known outcomes either in published materials that discuss this literature especially in the paradox of intolerance. If insufficient, we plan to explore if we could compare the correlation with other social indicators to discuss the plausible theories behind them.

6. **Data sources (one per each team member)**
   a. Human Freedom Index. https://www.cato.org/human-freedom-index-new
   b. Global Terrorism Database https://start.umd.edu/gtd/

2. Design Diagram(s)

Draw initial design diagram(s) using PowerPoint, Visio, etc. to describe your project. Include the software architecture (Big Data tools you'll use), the data flows, and anything else you think is important to show. This is a first draft, you will refine it in the coming weeks.

3. Task List

Create a list of tasks for your analytics project - create stories in Jira. Assign team members to tasks, and assign a due date to each task. This can be just a simple story with a titled tasks, assigned a team member name, and target completion date. Try to identify milestones – that will help you know if you are on or off track.

	Task	Target Date	Assigned
1	Background Research to gain a deeper understanding on the topic and the dataset. Find 2 papers each relating to the topic.	11/2	Tina, Jiwon
2	Data Ingestion code & write-up	11/2	Jiwon
3	Data Schema write-up	11/4	Tina
4	Pre-processing: Cleaning and Formatting - code	11/7	Jiwon
5	Pre-processing: Cleaning and Formatting - write-up	11/9	Jiwon
6	Pre-processing: Profiling - code	11/11	Tina
7	Pre-processing: Profiling - write-up	11/13	Tina
8	Each experiment and record finding of early results-1	11/16	Tina, Jiwon
9	Each experiment and record finding of early results-2	11/21	Tina, Jiwon

10	Revise/refine the research question/scope	11/22	Tina, Jiwon
11	Analyze the results - code	11/30	Tina, Jiwon
12	Analyze the results - write-up	12/2	Tina, Jiwon
13	Create necessary diagrams/visualizations for the paper (dataflow, findings)	12/4	Tina, Jiwon
14	Finalize write-up of the paper	12/5	Tina, Jiwon
15	Prepare a presentation	12/7	Tina, Jiwon
16	Rehearse the final presentation	12/8	Tina, Jiwon
17	Present the project either live or in recording	12/10	Tina, Jiwon