Project Planning

- Specific question: What is the relationship between carbon emissions and climate change, and what impact do carbon emissions have on rising temperatures, extreme weather events, and sea level rise?
- Answering the question: We will conduct a literature review of scientific research and data to investigate the relationship between carbon emissions and climate change. We will use various tools in Python and visualize data. We will also use statistical techniques such as regression analysis to identify correlations and trends in the data.

Timeline:
- Week 1: Literature review
- Week 2-3: Data collection and cleaning
- Week 4-5: Data analysis
- Week 6: Finalize the project (create final report, prepare presentation).

Group Plan

- Meeting schedule: We will meet every Thursday via Zoom. We will also have an additional meeting if necessary.
- Communication: We will use iMessage for day-to-day communication and email for important updates and announcements.
- Plan for sharing work: We will use GitHub to share our work and collaborate on documents. We will create a folder for the project and share it with all group members. We will create separate documents for each section of the project (e.g., literature review, data collection, data analysis, final report) and assign tasks to specific group members. We will use comments and track changes to provide feedback and make revisions.

Plan for breaking up work:
1. *Peter: Statistical analysis, final report*
2. *Riley: Data analysis, visualization*
3. *Mike: Literature review, data collection and cleaning*

Things to do: presentation will be separate to different parts

We will rotate tasks after each milestone to ensure everyone gets a chance to work on different aspects of the project. We will also have regular check-ins during our meetings to make sure everyone is on track and has the support they need.

GitHub repo: https://github.com/fuchenru/How-have-carbon-emissions-affected-climate-change-