**INTRODUCTION AND AIM**

*(Following points can be included: - Description of the data set, APA citation, licensing agreements, why study of this data set is important (basically what will we get out of this data set analysis))*

**RESEARCH QUESTIONS**

1.

2.

3.

**PLANNED TIMELINE FOR COMPLETION OF THE PROJECT**

We have set up a tentative timeline and will definitely try to strictly adhere to it for successful completion of this project.

**Week 3 (September 14)**

* Team formation

**Week 4 (September 21)**

* Dataset choosing (based on interests and probable research questions which can be answered and dataset allocation.

**Week 6 (October 5)**

* Project proposal and work plan.

**Week 7 (October12)**

* Understanding the research questions and statistically representing it.
* Designating all the dependent and independent variables for each question.
* Also deciding and finalizing on any other dataset that we may require in order to collaborate our findings.

**Week 8 (October 19)**

* Finding out required variables and redundant variables based on mathematical representation of each question.

**Week 9 (October 26)**

* Cleaning of data and formatting it according to R requirements.

**Week 10 (November 2)**

* Data cleaning documentation draft.
* Team progress meeting.

**Week 11 (November 9)**

* Understanding all the mathematical operations involved in each of the research questions.
* Learning the required syntax in R.

**Week 12 (November 16)**

* Implementing code the R code.
* Final Inferences
* Creation of R script draft.

**Week 13 (November 30)**

* Visualization of data and its interpretation.
* R plot draft.

**Week 15 (December 14)**

* Final Presentation
* Git Repository

Gantt chart

**PROJECTED EFFORT ALLOCATION**

All the team members will try to equally divide the work load among them. We would like to utilize this project to maximize our learning and problem solving skills and hence all three of us have decided on being part of every aspect of the project. If one of the team members is having better skills in a given section, others will learn from the team member and try to implement with help. We are planning to schedule weekly virtual meetings wherein we would discuss the previous week’s tasks and also chart out the next week’s schedule. Since the collaboration will be done on GitHub, we can effectively track everyone’s efforts and progress.

**TARGETTED AUDIENCE**