

Steps taken:

1. Business (Problem) Understanding using the 1-pager method. Because to answer a question, understanding the question is important, do not want to answer the wrong question, or give insights that are not useful.
2. Timeboxed out the project plan steps. There is very limited time in this project so making sure that timelines are followed is very important
3. Literature Review using an Annotated Bibliography. Most problems are not unique but similar to problems others have approached. By looking at other's methodology, time can be saved on redoing analysis, new analytical methods can be found, and domain knowledge can be acquired. Main sources used were github and the Victoria government website on car accidents.
4. An attempt was made to understand the data by looking at the data dictionary and checking the data's quality by looking at distributions, how variables relate to each other, and trying to reconcile to external reports. Its important to understand the data, as often insights that seem interesting are caused by data not meaning what the analyst thinks it means or it has data quality issues.
5. Analysis of the data. This is very iterative where I approach with a series of ideas based on the above 3 sections and then investigate specific items if I find something interesting.
6. Write the final report. An analysis is only as good as it is useful, and the best way of making something useful is not just quality work and asking interesting questions but making sure that the results are represented in a good way.

Evidence of the steps:

1. Business Understanding can be found in the "one-pager.pdf"
2. Timeboxing in "timebox.xlsx"
3. Literature review in the "annonated bibliography.pdf"
4. Can be found in the "Data Understanding" part of the "EDA.pdf" and "EDA.Rmd"
5. Can be found in the "Data Analysis" part of the "EDA.pdf" and the "Final Report on Victorian Road Accidents.pdf"
6. The final report is called "Final Report on Victorian Road Accidents.pdf"

I recommend after reading this reading the "Final Report on Victorian Road Accidents.pdf" and from there go to whichever you want.