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| Name | Pavan Gaikwad (10575449) |
| Subject | B9DA101 |
| Assignment no | One |

**Stats\_CA1 Planner:**

* 09/03: The planned group met to discuss an overall topic
* 11/03: We connected via Zoom, discussed the CA dataset, and planned for work before the deadline.
* 15/03: We took the help of Google for every possible practical way to complete CA1. Finalized the dataset to work on. Done set up of RStudio as per requirement and installed all the required packages. Discussed the pros and cons of the dataset.
* 18/03: Discussed the probability distributions together and distributed work equally among all.
* 20/03: After all the pre-planning, we started to work on the implementation part. We chose each probability distribution per member and worked on it. We began programming in R while implementing.
* 23/03: We came across cons of the dataset i.e. dataset was too big and was challenging while implementation as we were getting the same bar graphs. So we reduced the size of the dataset and started working again.
* 26/03: Joined on meet implemented all the graphs, gathered all the information required to be included in CA1. We started to write a descriptive part.
* 28/03: Almost built 70% of work. We started to implement the Hypothesis testing and analysis.
* 29/03: Completed Hypothesis testing and started to draft a report in Markdown. We stuck while arranging the report so taken help from Markdown Quick References and Google.
* 30/03: Aligned all the data as stated in the CA1 report. It took a bit of time but unitedly we completed the Statistics CA1 assignment.
* 31/03: Cross-checked all the documents, looked for any mistakes, and submitted the Assignment.

**Individual Report:**

Doing this assignment I noticed what proportion I thoroughly enjoy Statistics and the use of plots, graphs, Descriptive methods, and Hypothesis tests. This assignment allowed me to check myself at creating work that showed the simplest of my ability.

* Worked on finding the data set for the assignment.
* Worked Normal Distribution and its explanation, graphs and examples.
* Provided ideas and input to the assignment.
* Explained the T-test of Hypothesis testing with an example.
* Worked on examples for the distributions.