Team Update

Team Members:

* Harshith Sharma (hari2291@umd.edu )
* Namratha Jagadeesh (namratha@umd.edu )
* Shivam Saith (ssaith@umd.edu )

Team Working Dynamics:

Throughout the course of this project, we have maintained uniform distribution of work amongst all the three members of the team. Each one of us worked on one research question. Every week, we would meet to discuss our progress and any problems we faced while working.

In the first phase, we worked together to figure out how to go about the dataset and formulate our research questions. We had three main deliverables for this project. The details of each assignment are elaborated in the next sections.

Data Cleaning:

In this we had three main tasks:

Time Column: Some entries had incorrect format. This was corrected manually.

Summary: This was an attribute which explained the reason for the air crash. This column was too wordy and we had to categorize it based on some fixed reasons for air crash. We created six categories based on the reasons for the crash. We wrote a customized function in R to do this task. Shivam worked on finding the appropriate inbuilt R functions to tackle the problem. Harshit and Namratha worked on and came up with the final R function.

Day & Night slot: We created two slots for day and night. 1 represents Day and 0 Night. This was done by Shivam.

The assignment was integrated and uploaded by Namratha.

R-Script & R-plots:

Each one of us worked on one research question and generated the R-script for their question.

Shivam: Research Question 1 - Which reason causes the maximum number of air crashes?

Harshith : Research Question 2 – Which commercial have the highest number of crashes?

Namratha Jagadeesh : Research Question 3- What reason for air crash has caused highest number of fatalities compared to others?

We all did this together: Research Question 4 - Do more air crash accidents happen during day as compared to the night?

The R markdown document was generated and integrated by Namratha.

Final Git repository:

Namratha made corrections as per the suggestions received for each assignment and uploaded the files on Git.

Presentation:

Harshith created the presentation. Later we all sat together and made changes and improvised the basic version.

Summary:

Shivam wrote the summary. We all sat together edited and finalized the document.

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