



**Dhanalakshmi Srinivasan Arts and Science
(Co-Education) College
(Affiliated to University of Madras)**



THE TRAGEDY OF FLIGHT:

A COMPREHENSIVE CRASH ANALYSIS

A PROJECT REPORT SUBMITTED BY

KEERTHANA G	-	222009447
NITHYASRI K	-	222009448
LOGESHWARAN S	-	222009440
SWETHA S	-	222009449

1.INTRODUCTION:

An airplane crash analysis is a detailed investigation into the causes of an aviation accident. The goal of an airplane crash analysis is to identify any factors that contributed to the accident, with the ultimate goal of improving safety and preventing future accidents

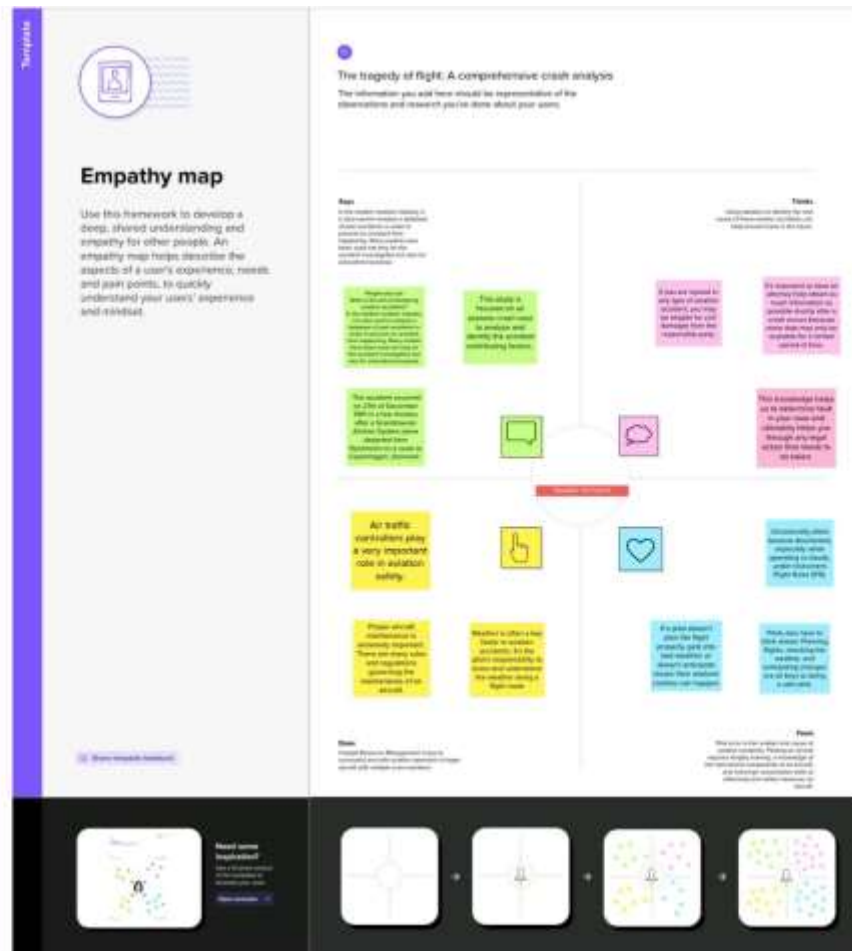
1.1 OVERVIEW:

- ❑ An aviation accident is defined by the Convention on International Civil Aviation Annex 13 as an occurrence associated with the operation of an aircraft, which takes place from the time any person boards the aircraft with the intention of flight until all such persons have disembarked, and in which
- ❑ (a) a person is fatally or seriously injured, (b) the aircraft sustains significant damage or structural failure, or (c) the aircraft goes missing or becomes completely inaccessible.

1.2 PURPOSE:

Some aviation experts think the most damaging effect of any large number of airline accidents is its tendency to inhibit the normal growth of air transportation. A survey of domestic air travelers, carried out for American Airlines last year by the Opinion Research Corporation, showed that travel by air was still far from common practice.

2.1 EMPATHY MAP:



2.2 BRAINSTORMING:

Brainstorm & Idea prioritization

Use this template to capture brainstorming sessions so your team can revisit their inspiration and start shaping concepts when it's no longer in the same room.

- Brainstorm session
- Problem statement
- Information generated

Before you collaborate

Before you collaborate, it's important to agree on the purpose of your session and the scope of the problem.

- 1. Purpose

Define your problem statement

What is the problem you are trying to solve? What are the constraints? What are the goals? What are the stakeholders?

- 2. Problem statement

Brainstorm

Brainstorming is a group activity that encourages creative thinking and idea generation. It's a time when you can think out loud and share your ideas with others.

- 3. Brainstorm

Group ideas

Now that you have a list of ideas, it's time to group them. This is a time when you can think out loud and share your ideas with others.

- 4. Group ideas

Prioritize

Now that you have a list of ideas, it's time to prioritize them. This is a time when you can think out loud and share your ideas with others.

- 5. Prioritize

After you collaborate

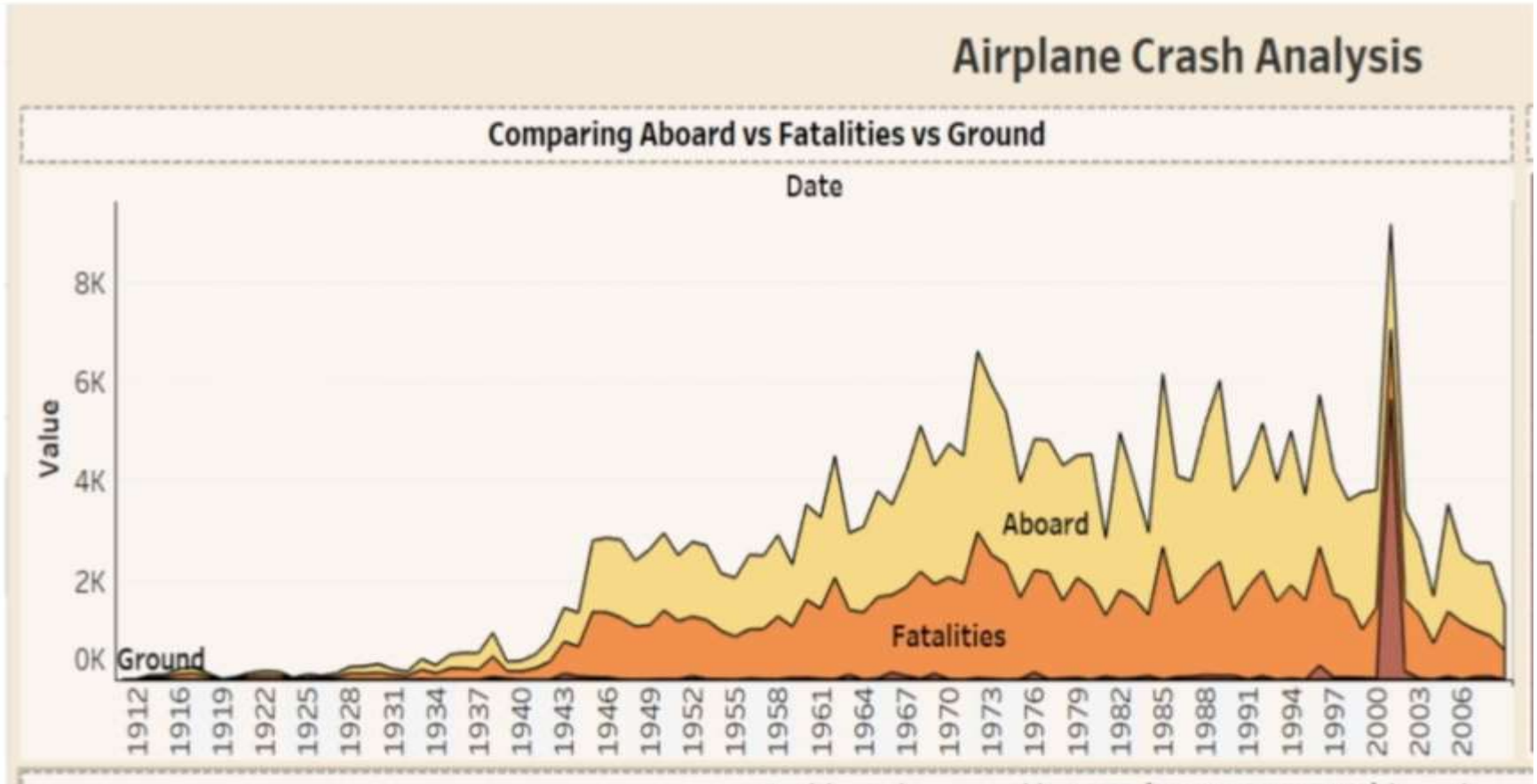
Now that you have a list of ideas, it's time to implement them. This is a time when you can think out loud and share your ideas with others.

- 6. After you collaborate

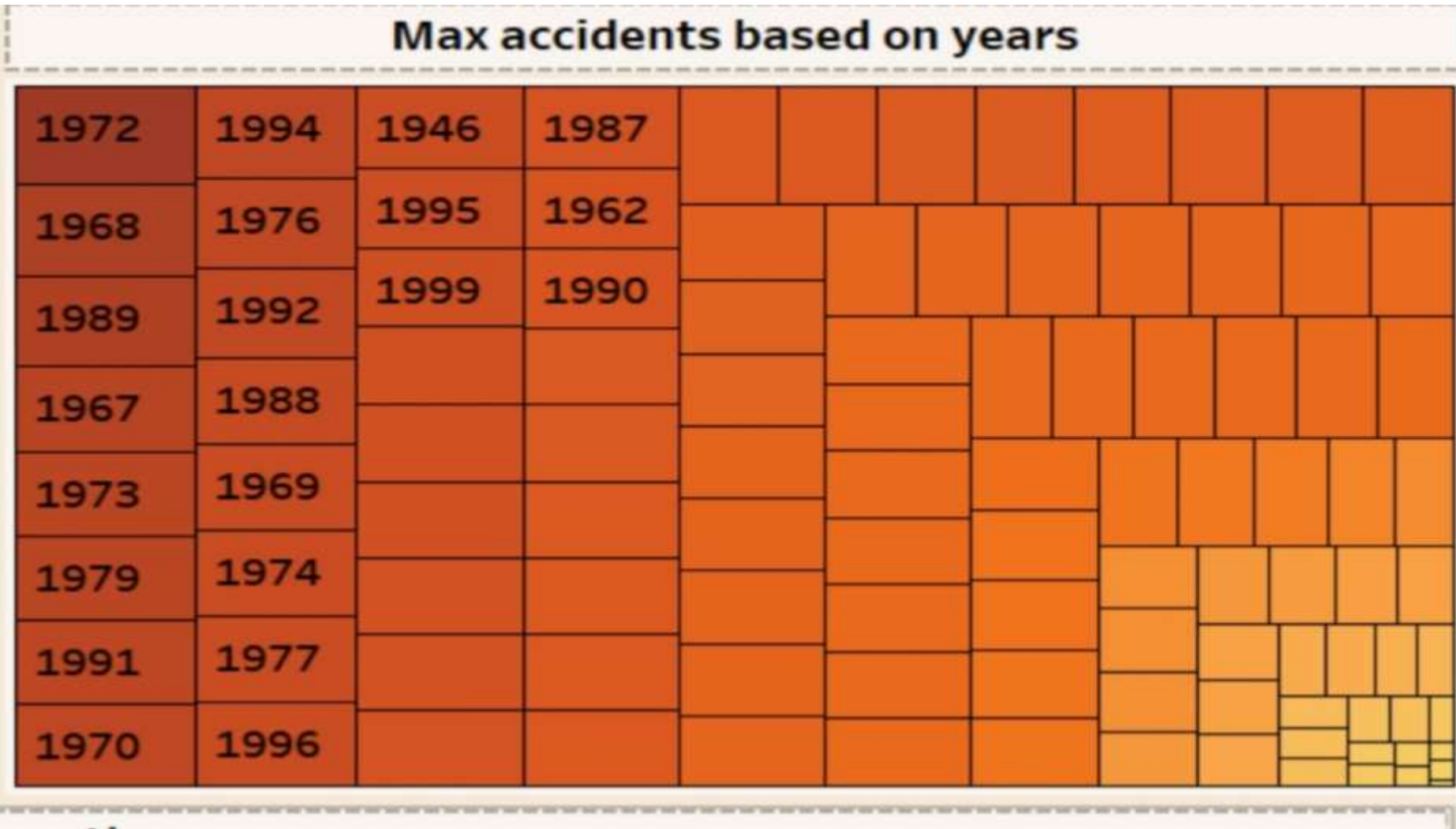


RESULT:

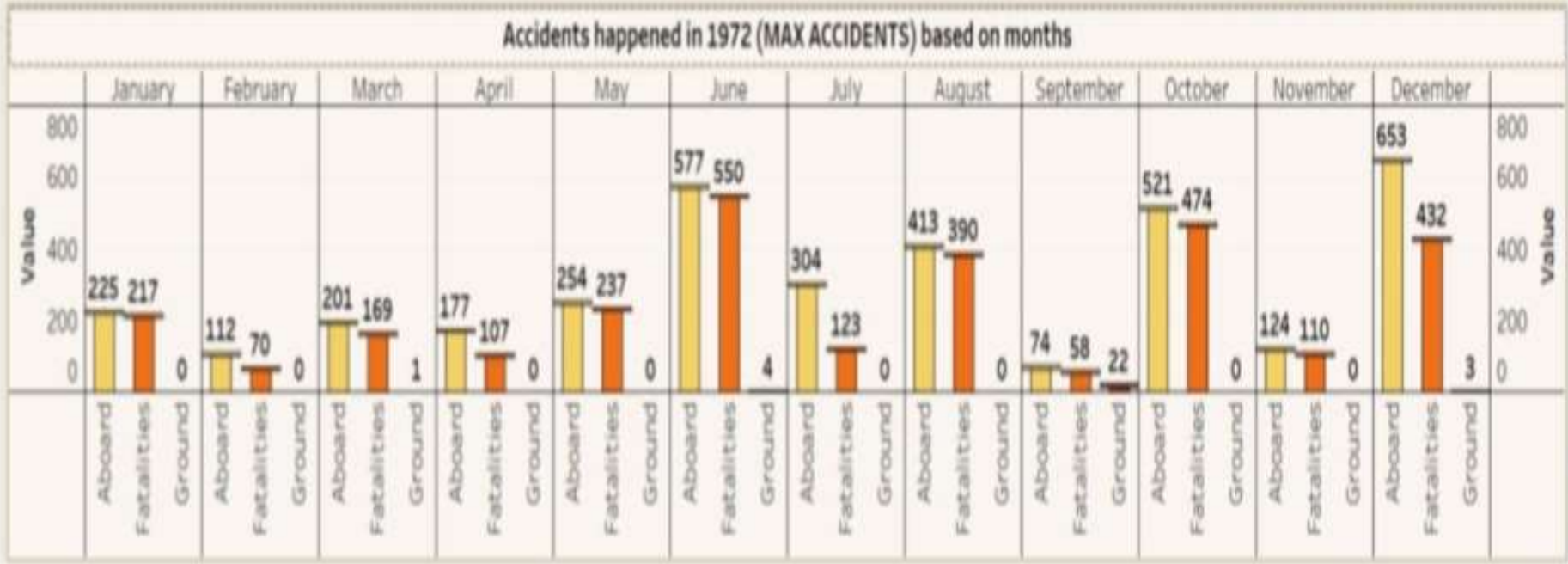
3.1 ACTIVITY



3.2 ACTIVITY

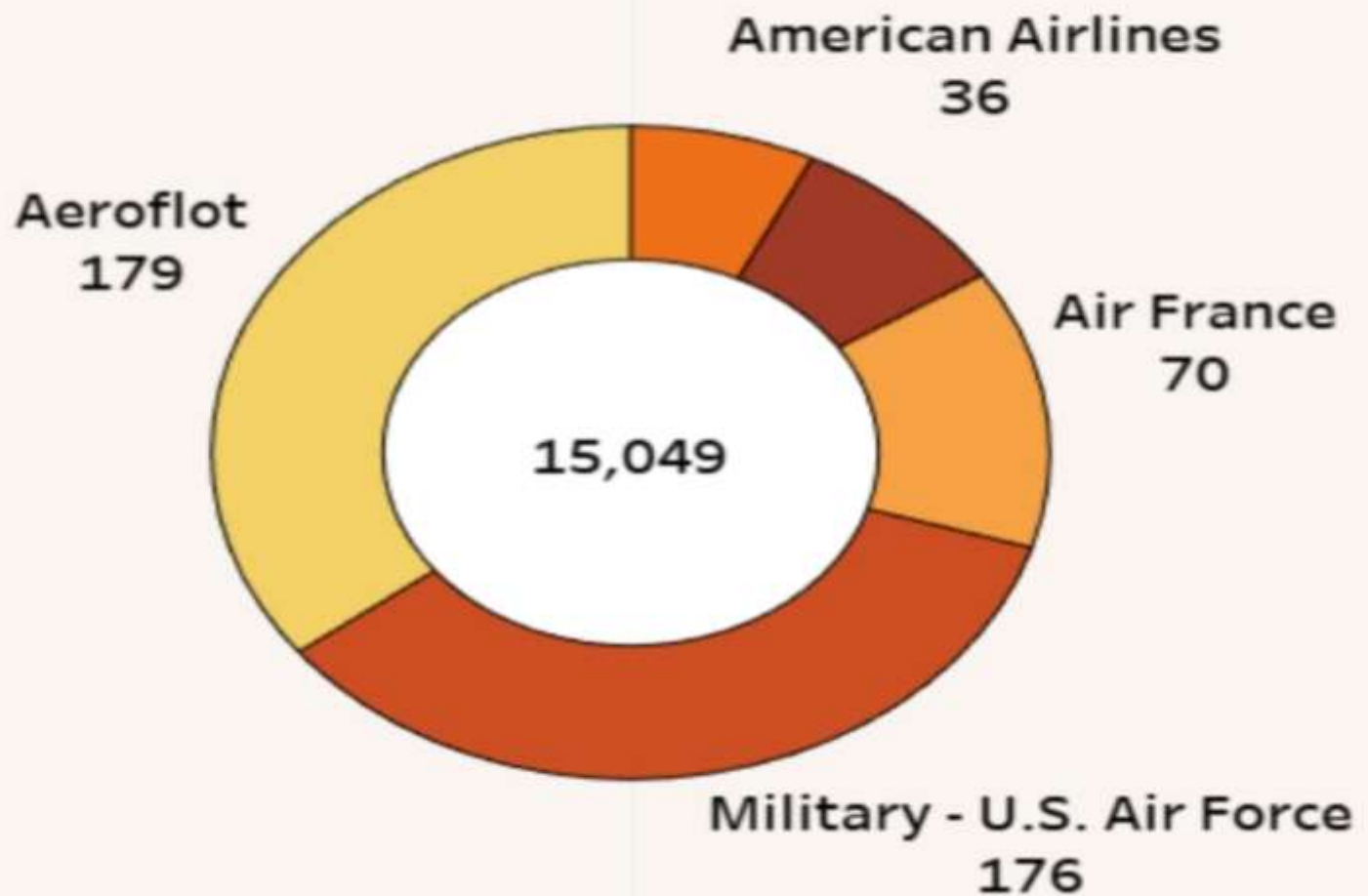


3.3 ACTIVITY

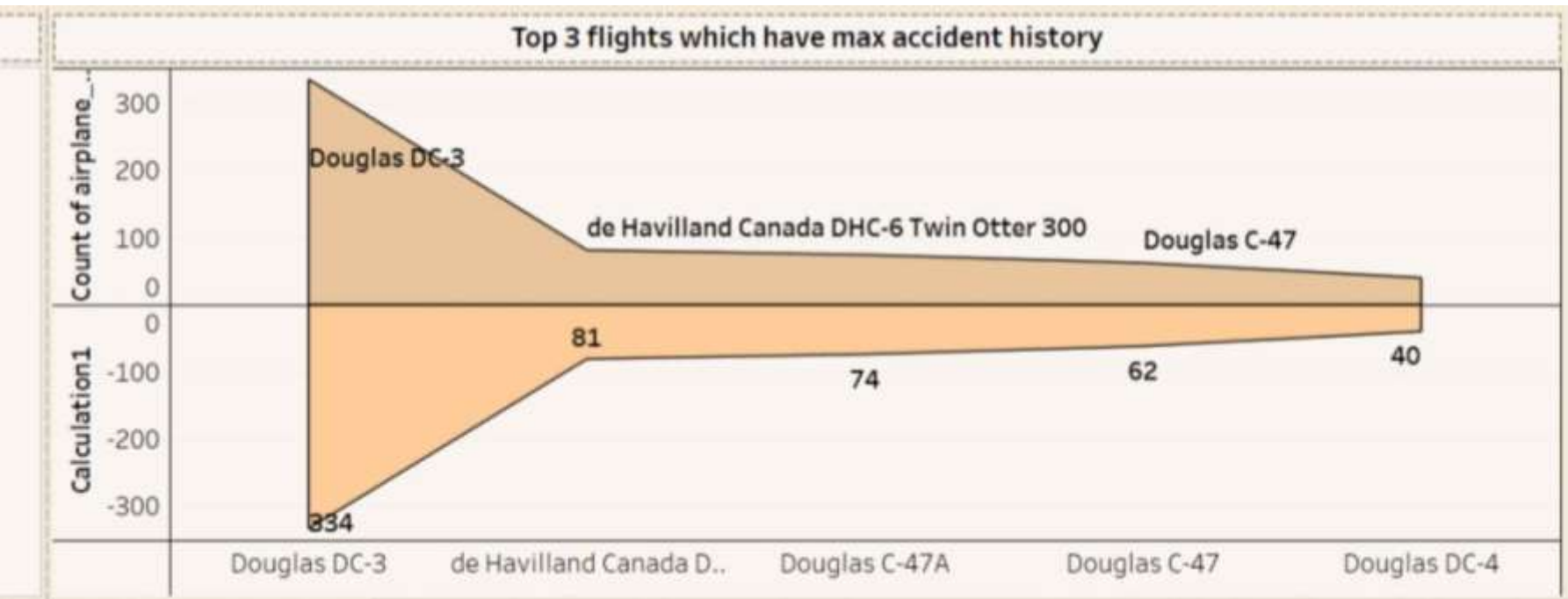


3.4 ACTIVITY

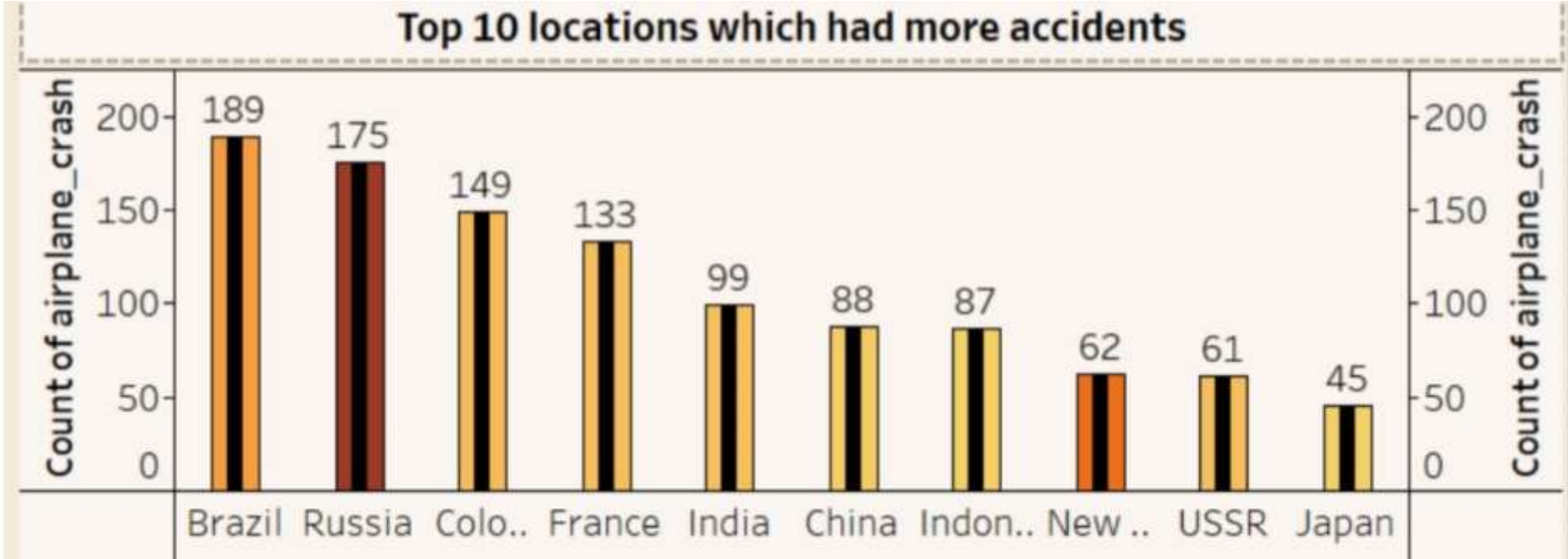
Highest No. of accident happened by Operators



3.5 ACTIVITY

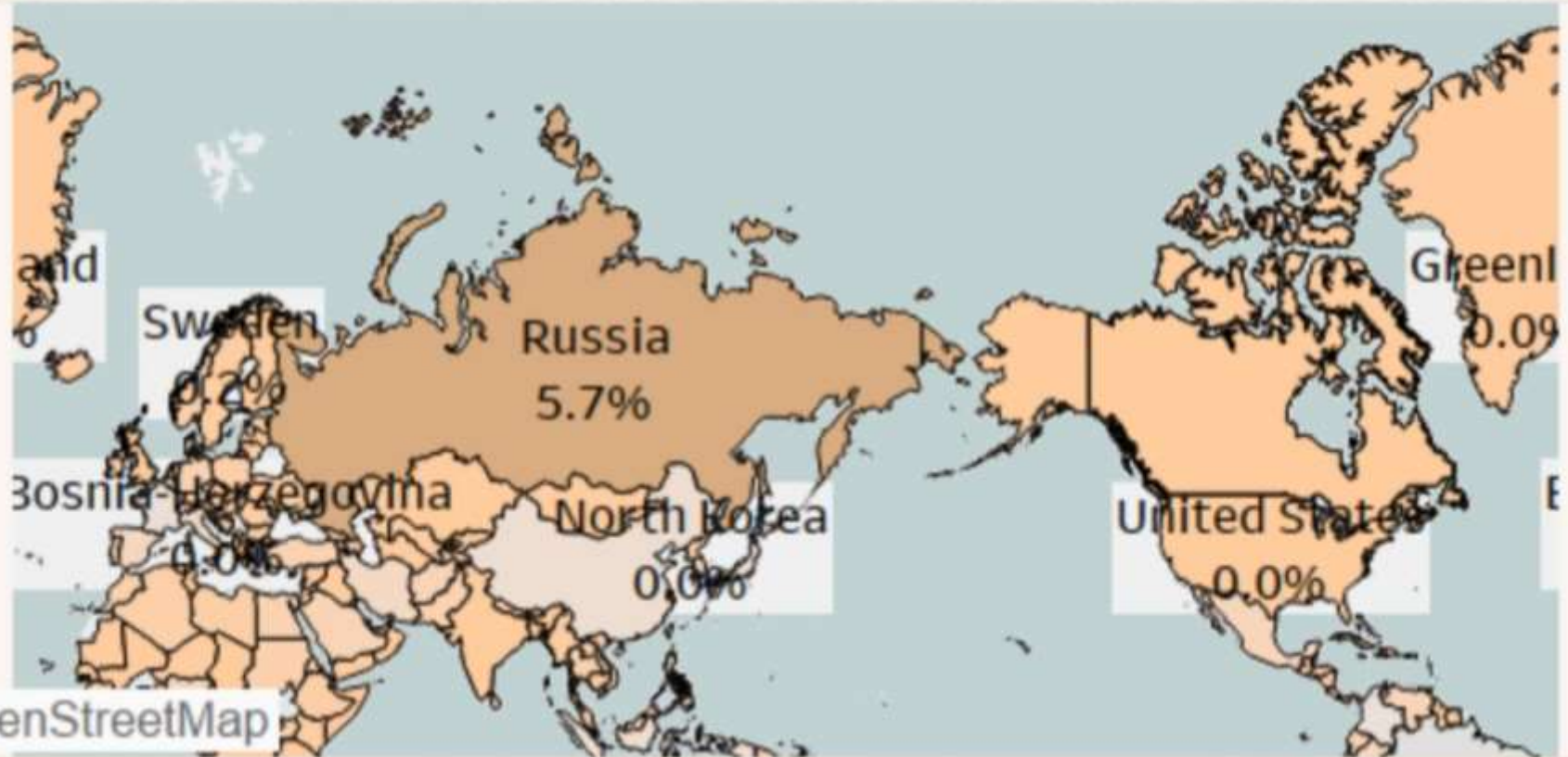


3.6 ACTIVITY

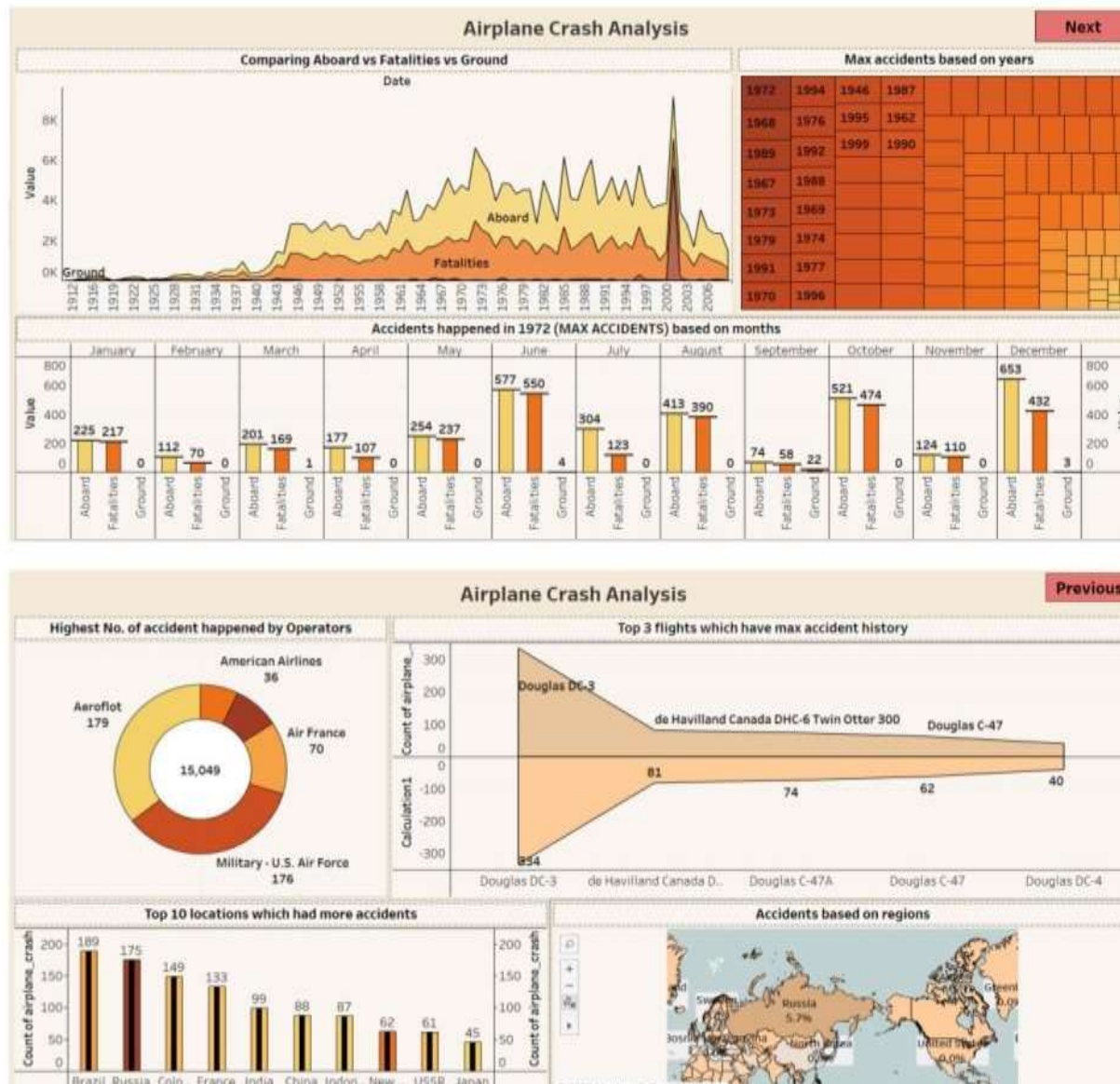


3.7 ACTIVITY

Accidents based on regions



3.1.1 DASHBOARD



STORY

Story 1

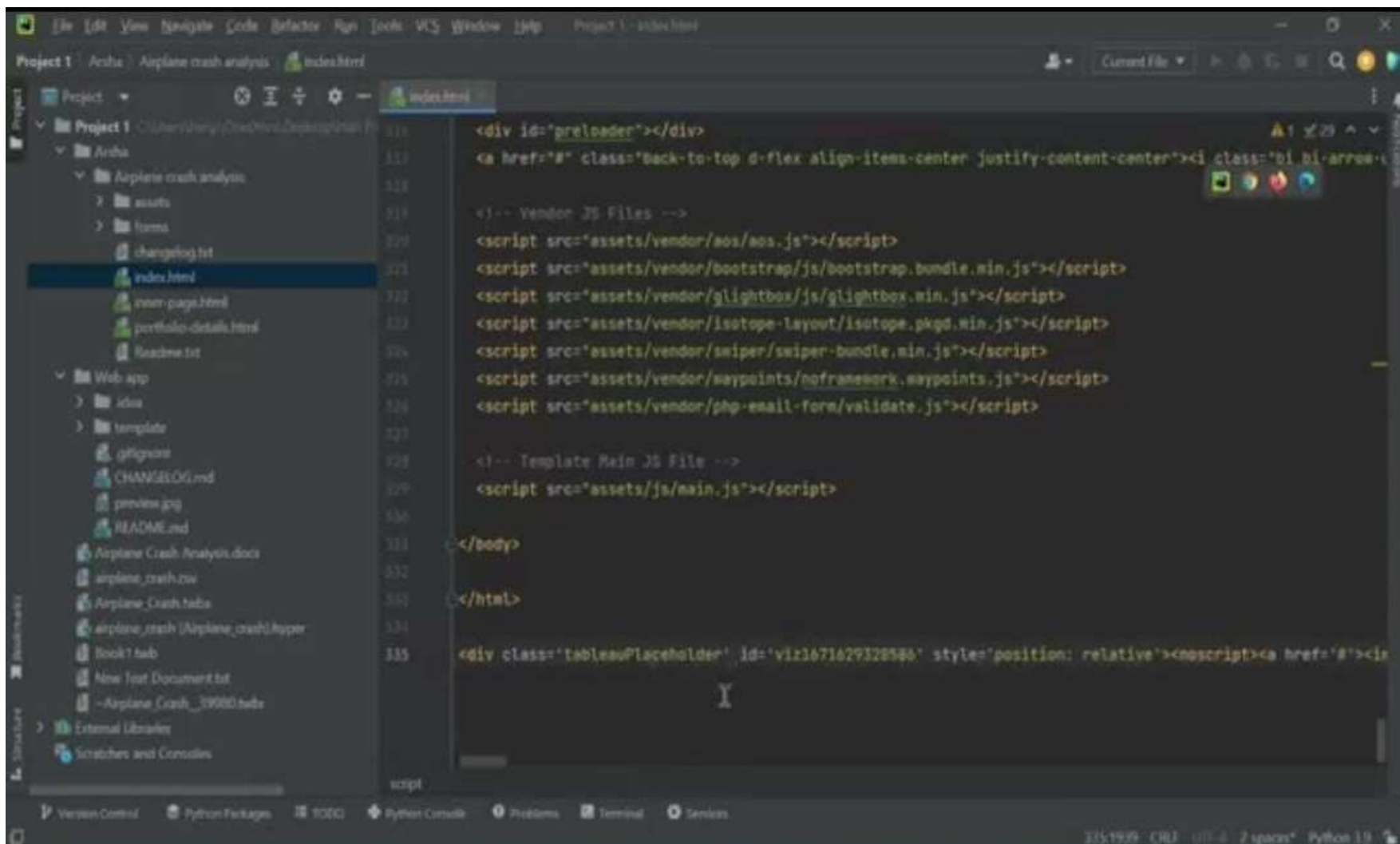
Sum of accidents type (aboard, fatalities & ground) based on years.

No. of accidents based on years.

No. of accidents happened in the year of 2001.

Top 10 locations based on accidents.

No. of accidents



CONCLUSION

Aviation fatality rates are at historic lows and continue to drop over time. However, FAA recognizes the need to continue addressing precursors to accidents in order to continue to improve the current level of safety in the national airspace.

DESCRIPTION :

- Most of aviation fatalities are in general aviation. According to the NTSB, most fatal accidents were attributed to human factors. General aviation comprises a diverse range of aviation activities, from single-seat, home-built aircraft; helicopters; balloons; single and multiple engine land and seaplanes; to highly sophisticated, extended range turbojets.
- The General Aviation Joint Steering Committee (GA JSC), a government/industry partnership team, analyzes fatal loss of control accident solutions for implementation across industry and government.

THANK YOU