

## Project report template

### 1. Introduction

#### 1.1. Overview

##### **Title : A Tragedy of flight :A comprehensive crash analysis**

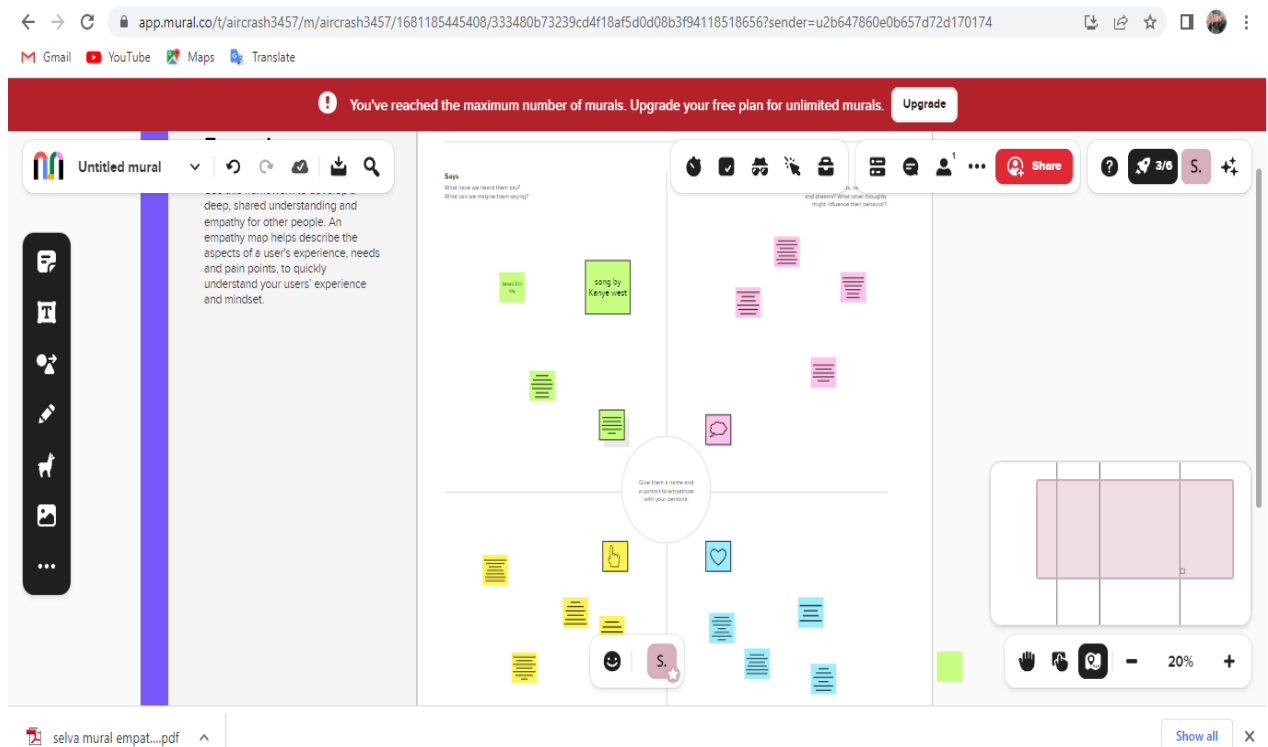
An airplane crash analysis is a detailed investigation into the causes of an aviation accident. The goal of an airplane crash analysis is to identify any factors that contributed to the accident, with the ultimate goal of improving safety and preventing future accidents. The process of conducting an airplane crash analysis typically involves the collection and analysis of a wide range of data, including information about the aircraft and its systems, the operators, and any other relevant factors.

#### 1.2. Purpose

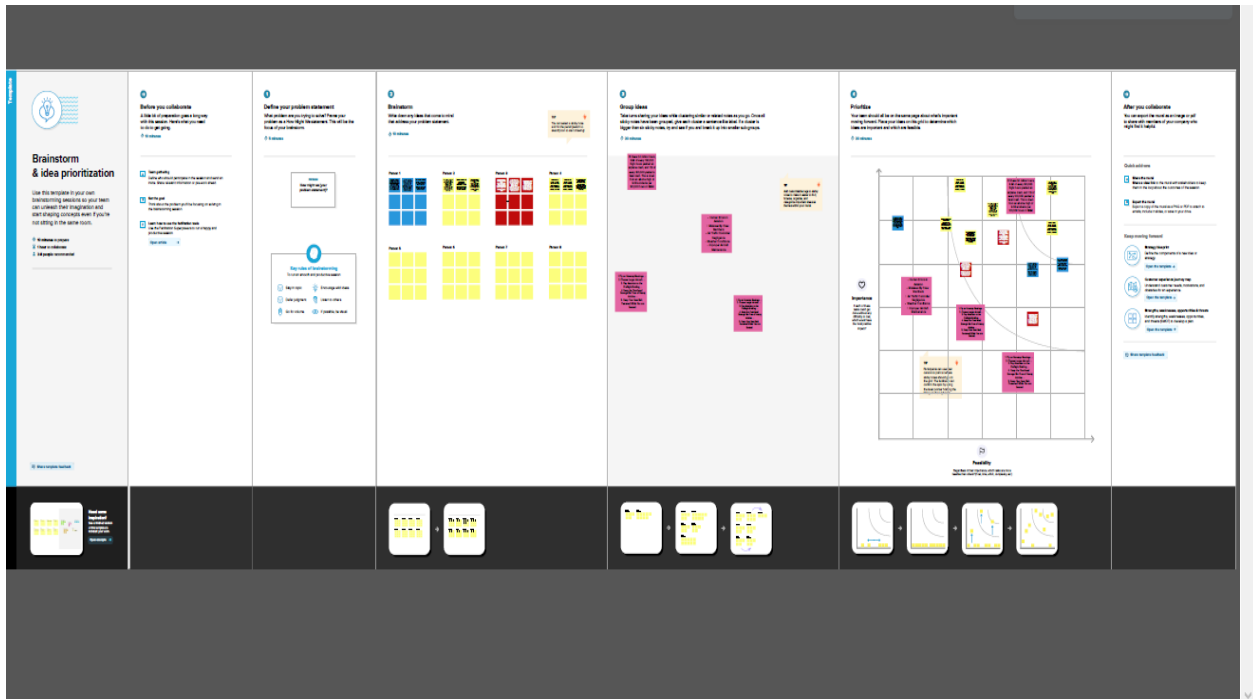
We are trying to analyse the airplane crash related data and able to extract some insights from the using survival data

### 2. Problem definition and Design thinking

#### 2.1. Empathy map



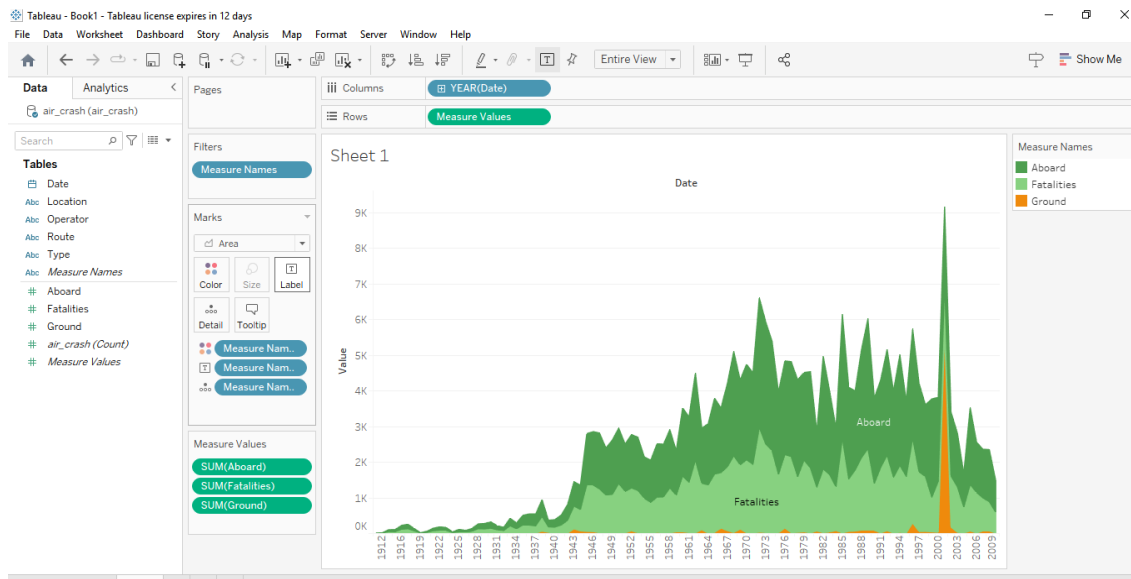
## 2.2. Brainstorming map



## 3. Result Findings:

SHEET: 1

### Comparing Aboard VS Fatalities VS Ground



SHEET: 2

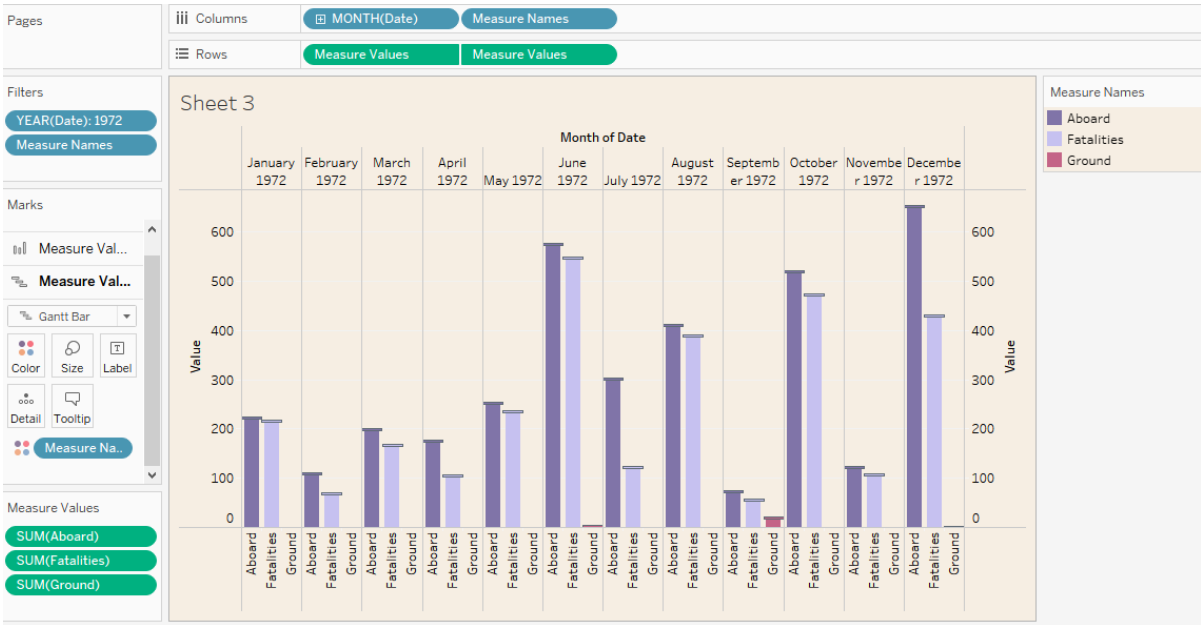
MAXIMUM OF ACCIDENTS BASED ON YEARS

Sheet 2

1972	1994	1946	1985	1965	1966	1998	1948	1997	1971	1993
1968	1976	1995	1987	1981	1980	1984	1986	1950	1953	1958
1989	1992	1999	1962							
1967	1988	1978	1990	1960	1949	1959	1954	1963	1957	2007
1973	1969	1947	1982	2008	1955	2006	1944			
1979	1974	2000	2001	1952						
1991	1977	1975	1945	1983	1961	1929	1934			
1970	1996	2002	1951	2003	1938					
			1964	2004	1956	1935				
					2005	1931				
						1942				

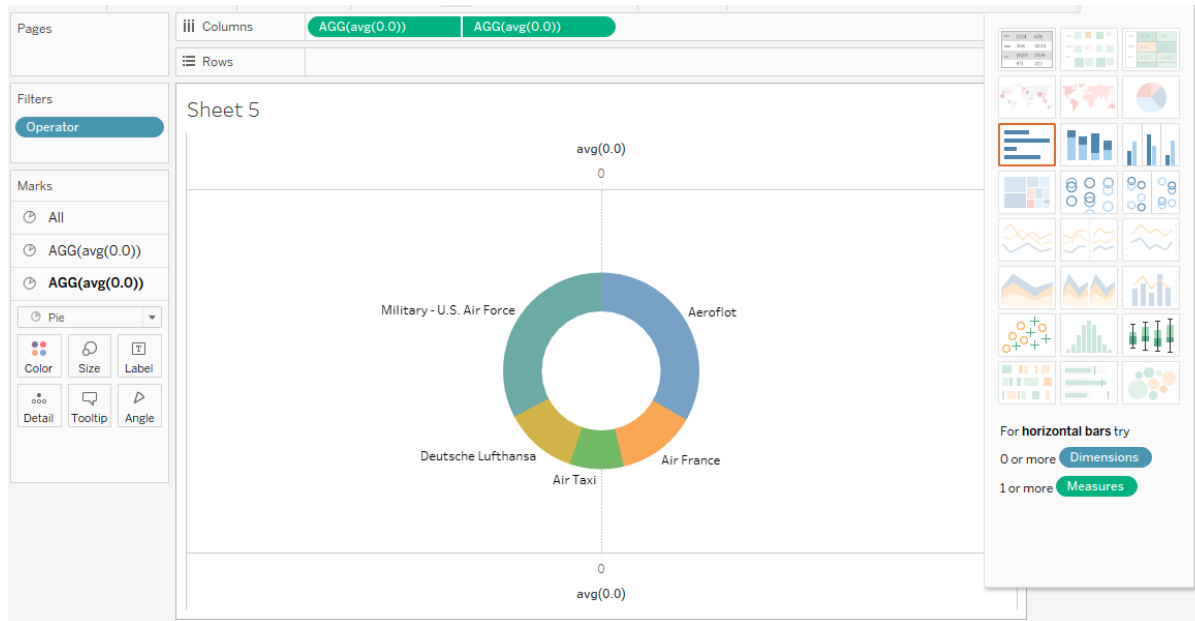
SHEET:3

Accidents Happened in 1972 based on months



## SHEET:4

### Highest No of Accident Happened by operators



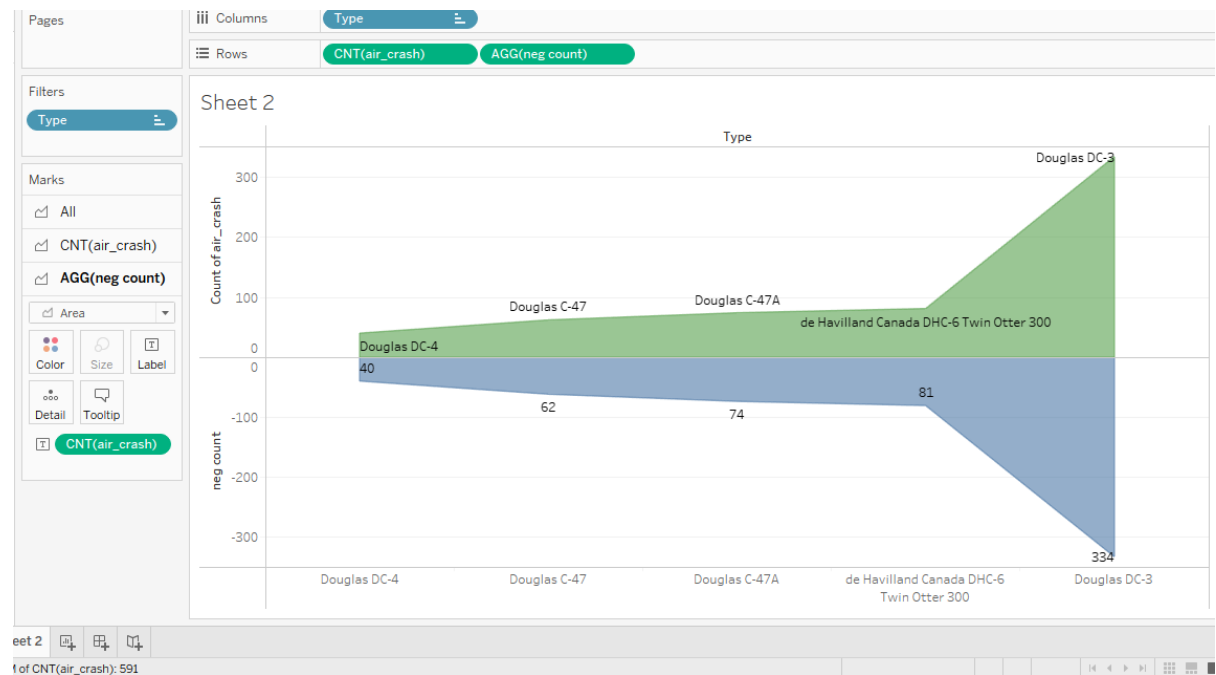
## SHEET:5

### Top 10 Locations which had more Accidents



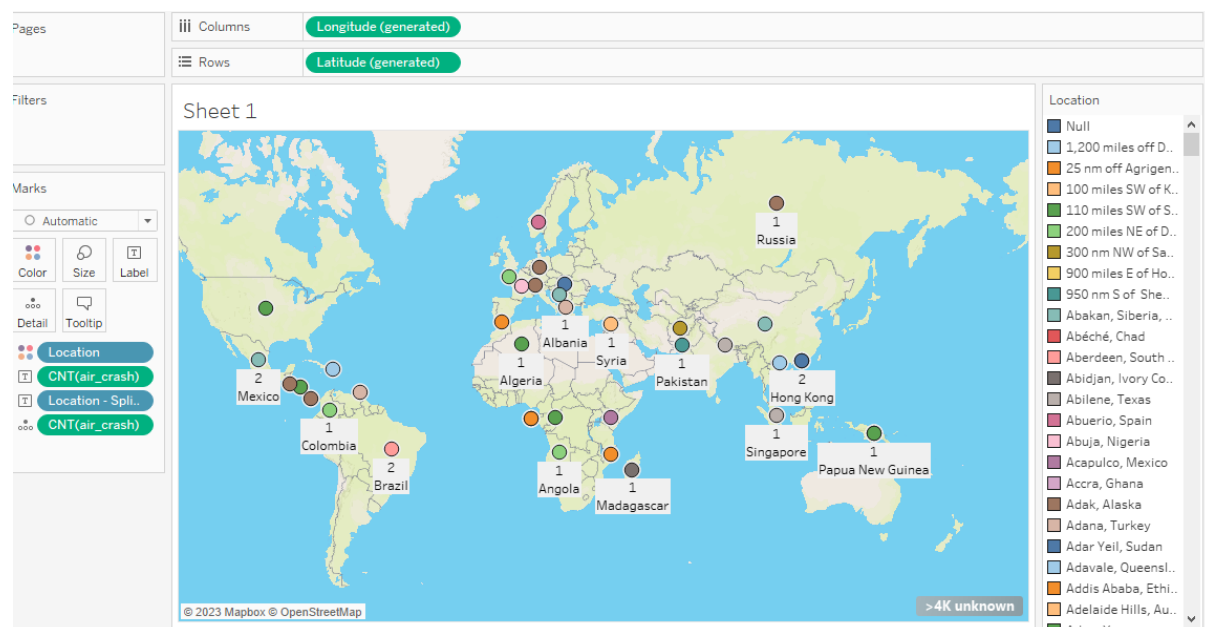
## SHEET: 6

### Top 3 Flights which have max Accidents history



## SHEET :7

### Accidents Based on Regions



#### **4. Advantages**

- Aircraft accident investigation involves the collection and analysis of various data in order to draw conclusions and make safety recommendations that will prevent aircraft accidents caused by similar causes in the future. Therefore, a properly conducted investigation is a key to prevent future accidents

Based on Market Patterns.

At-One-Time Analysis

#### **Disadvantages**

- It has capacity limits. The cargo capacity of an airplane is limited. It is not like that of a ship, in which a large number of containers with goods of any size can be transported. The hold of an aircraft has specific dimensions, as well as a weight, which cannot be exceeded

#### **5. Applications**

It provides accident information such as the flight types, Operator, Accident locations, Accident dates, Full data base structures.

#### **6. Conclusion**

Analysis of airplane crash statements is extremely important for data base. It used to reduce the airplane accidents safety purpose of the airplane. This data also used to know how many people were affected by these accidents.