



Airplane Crashes and Fatalities



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The Dataset

The Dataset



Name: Airplane Crashes and Fatalities


Number of Rows: 5269

This dataset showcases Boeing 707 accidents that have occurred since 1948. The data includes information on the date, time, location, operator, flight number, route, type of aircraft, registration number, cn/ln number of persons on board, fatalities, ground fatalities, and a summary of the accident

Source: Kaggle



The Dataset



```
# Index : 0
# Date : 09/17/1908
# Time : 17:18
# Location : Fort Myer, Virginia
# Operator : Military - U.S. Army
# Flight # :
# Route : Demonstration
# Type : Wright Flyer III
# Registration :
# cn/In : 1
# Aboard : 2.0
# Fatalities : 1.0
# Ground : 0.0
# Summary : During a demonstration flight, a U.S. Army flyer flown
# by Orville Wright nose-dived into the ground from a height of app
```

Example of Dataset row



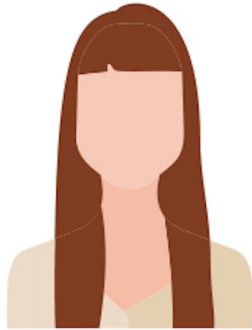


Personas

Details about the Personas defined
for this product



Personas



Taylor

- Age: 22
- Lives in: France
- Works for a flying company and wants to study the main causes of crashes to improve her company's security protocols

Personas



Richard

- Age: 34
- Lives in: Portugal
- Wants to access a simplified board with crashes statistics to show his mother (who is afraid of flying) that flying by airplane is one of the most safe travelling options nowadays



The Product

Product Overview and questions it
will address



The Product



This product will allow users to:

- Get an overview of plane crashes' causes
- Get the number of casualties per plane crash
- Get the main location of those crashes
- Get plane crash and casualties relation data
- Get an overview of the evolution of this data over the years



The Product



Some Questions:

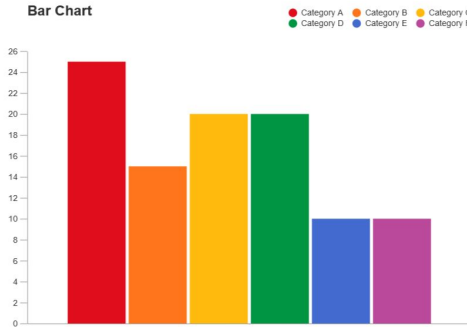
- How many plane crashes were between 2005 and 2007?
- What was the amount of casualties on a specific plane crash?
- What are the main causes of these crashes?
- What is the evolution of the number of plane crashes over the years?



The Product



How the product will address these questions:

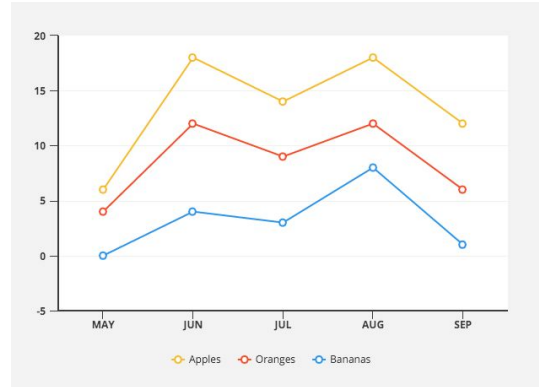


Bar Charts to display how many crashes and casualties there were per year

The Product



How the product will address these questions:

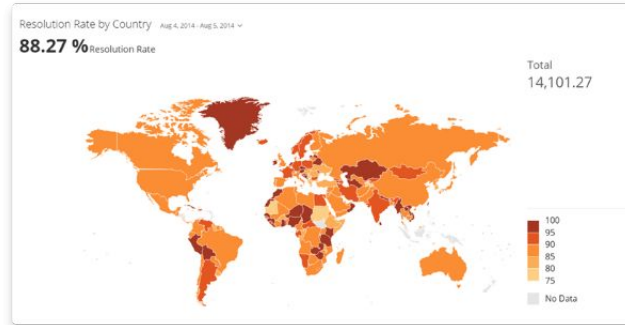


Line Charts to display the evolution of crashes and fatalities over the years

The Product



How the product will address these questions:

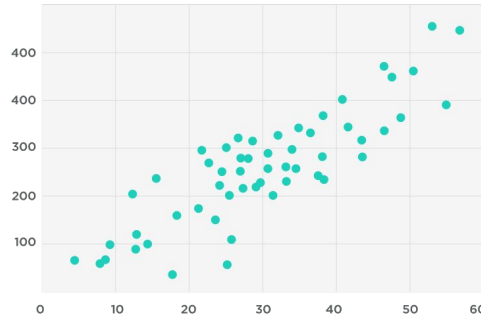


Map Charts to show the main locations and details of those crashes

The Product

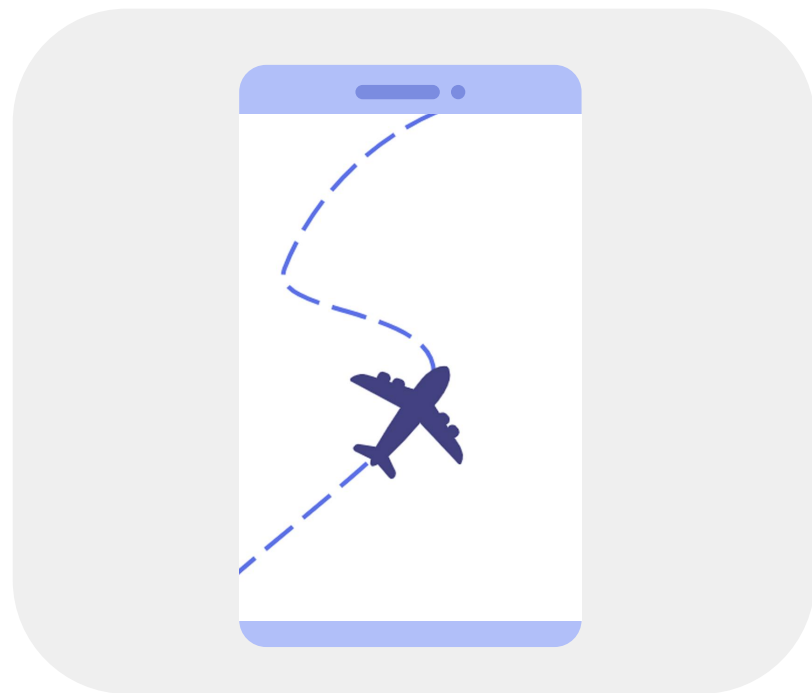


How the product will address these questions:



Scatter Plots to study the relation between crashes and casualties

Mockup



Mockup

