



# **Aviation Data Analysis (1942- 2023)**

The background of the slide features a collage of business-related items. It includes several circular charts with blue and white segments, some with percentage labels like '100%'. There are also bar charts and a portion of a white calculator with orange and grey buttons. A smartphone is visible in the upper right corner. The overall theme is financial analysis and business strategy.

# **Introduction**

Aviation accidents have been a major issue in the industry. As the team envisions to invest in the industry, understanding major issues related to previous accidents is a step forward to ensuring a smart move into the industry.

# Objectives

- Identify location with most accidents
- Identify accident rates in the recent years
- Identify the purpose of flight that causes the most accidents
- Calculate chances of survival in a plane crash
- Effects of weather conditions on accidents



## 1. LOCATIONS AND ACCIDENTS

- Anchorage in Alaska had the most events of accidents, with over 83 total accidents. The snow in the area may have been the major cause for most of these accidents. Avoiding placing our aircrafts in this state may improve the safety of our aircrafts significantly

## **Accident Trends in recent years**

- We have seen a decrease of 64% in accidents in the recent years. More safety measures have been implemented to protect human rights.



# **Chances of survival in Plane Crashes**

- In a plane crash, the chances of survival are very low. Most aircraft crashes have a 100% fatality rate. If the crash is not severe, however, survival is mostly 100%.

# **Weather conditions and accidents**

- We cannot relate accidents with weather conditions because most accidents have happened on perfect weather conditions. However, in some rare occasions, weather has had effect on aircraft accidents, like in the case of Alaska.

# Recommendations

- Avoid placing aircrafts in locations like Alaska. They are prone to accidents
- Avoid the reciprocating engine.
- Consider purchasing engines like electric and LR for the aircrafts. They are safer
- Have passenger insurance for planes as accidents are very deadly
- Air travel is becoming popular and safer. Investing now promises a bright future



# Conclusion

- With safety measures put forward for human life protection, plane crashes are highly reduced. This is an indicator that high profits are bound to be generated from the industry. In conclusion, this business should have confidence in investing money in the aviation business