Aviation Accidents in the United States of America

An analysis by Loyce Tsuma

- Airlines and Operators
- Aircraft Manufacturers
- Aviation Regulatory Bodies
- Air Navigation Service Providers
- Airport Authorities
- Pilot Unions
- Insurance Companies

Overview

An analysis of aviation accident data from the National Transportation Safety Board (NTSB) in the United States and international waters from 1962 to 2023

Objective

To provide insights that can inform safety measures and improve the overall safety off aviation operations.

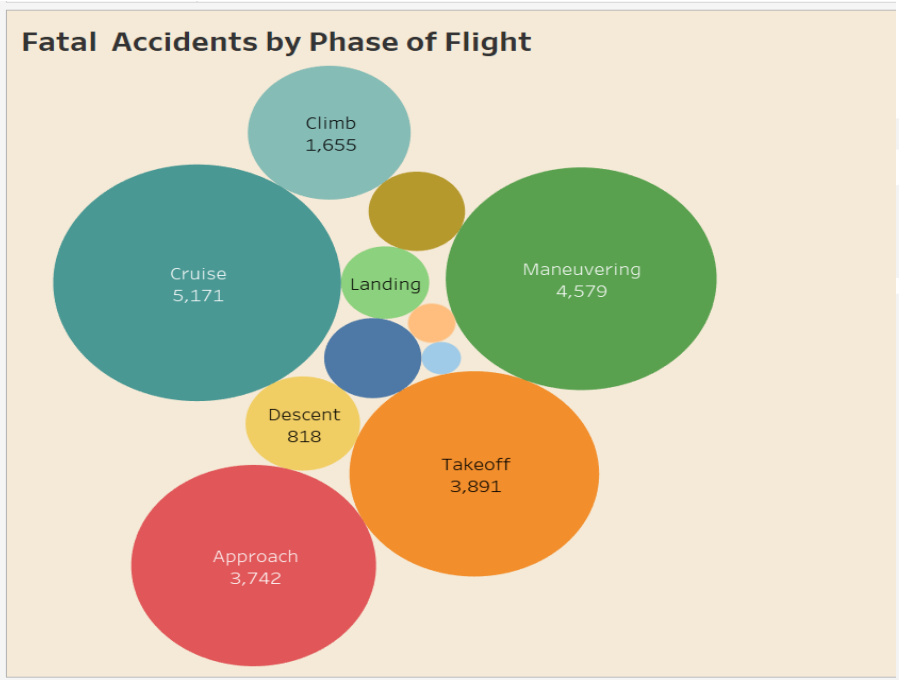
Business Problem

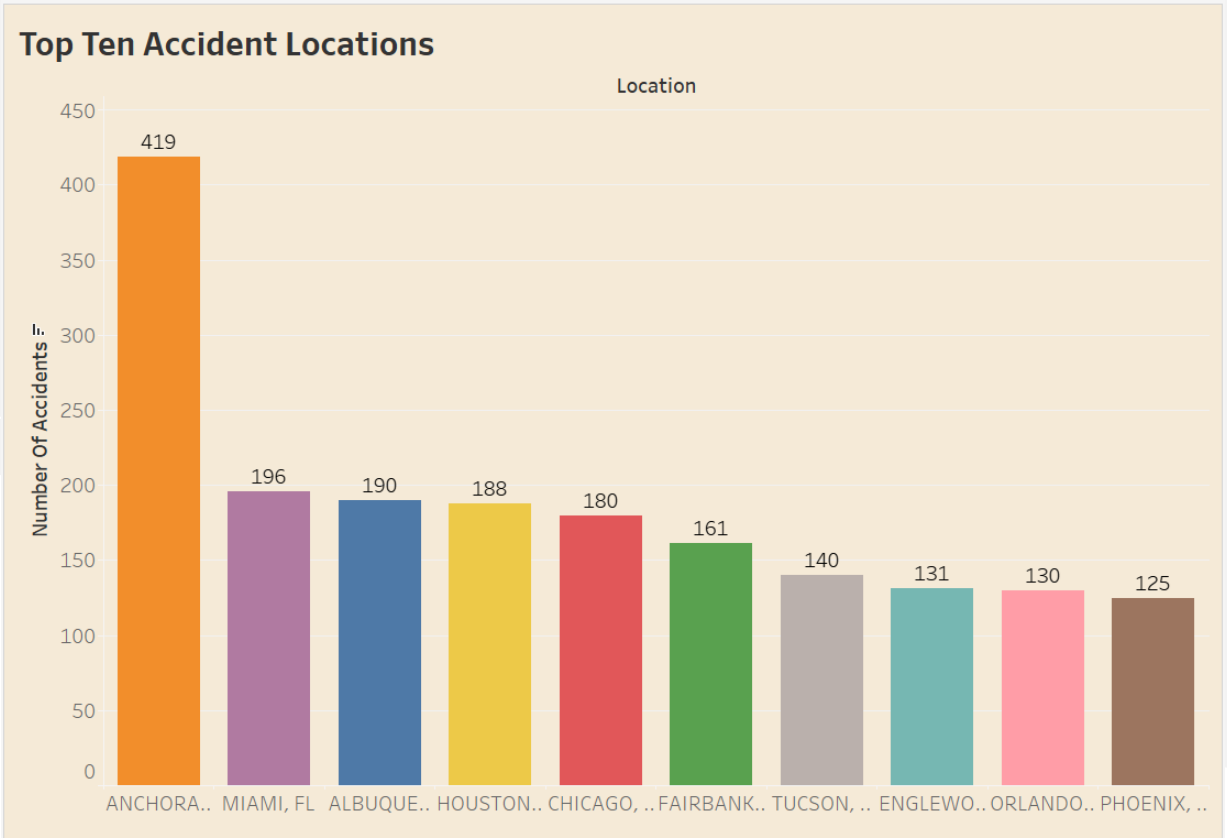
Understanding safety risk patterns that lead to loss of lives and financial loss.

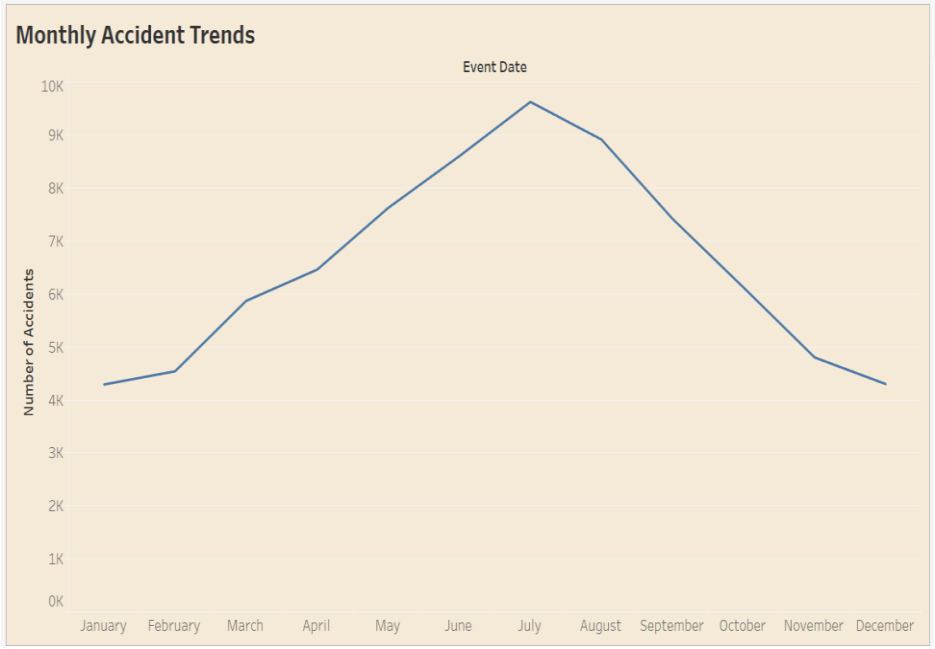
Top Ten Aircraft Makes

Make1	Total Fatal Injuries	Total Minor Injuries	Total Serious Injuries	Total Uninjured
Boeing	1,064	1,526	1,046	114,629
Cessna	7,067	6,232	4,378	32,398
Piper	5,355	3,483	2,890	16,836
Beech	2,957	1,263	1,014	7,193
Bell	660	871	630	2,404
Mooney	611	368	242	1,243
Grumman	201	249	152	1,067
Hughes	146	298	198	1,010
Bellanca	324	231	188	907
Robinson	181	238	152	926

Most Accidents Happen in July!







Conclusion

Enhance Safety Measures During Critical Phases

Enhance Safety Measures for Top Aircraft Models

Address Top Accident Causes

Weather Preparedness

Data Analysis

By focusing on these recommendations, the aviation industry can continue to reduce the number of accidents and enhance overall safety, ultimately saving lives and reducing financial losses.