PROJECT PRESENTATION

AVIATION DATA UNDERSTANDING

OVERVIEW

The project aims at knowing which aircraft is good for the business and their risk when venturing into the aviation sector. this done by analyzing historical aviation accident data of 1962 to 2023 provided to us by national transportation board. the project aims how to identify the risk and how to improve them to win the passengers trust when using the aircraft.

BUSINESS PROBLEM

Your company is expanding in to new industries to diversify its portfolio. Specifically, they are interested in purchasing and operating airplanes for commercial and private enterprises, but do not know anything about the potential risks of aircraft. You are charged with determining which aircraft are the lowest risk for the company to start this new business endeavor. You must then translate your findings into actionable insights that the head of the new aviation division can use to help decide which aircraft to purchase.

BUSINESS UNDERSTANDING

The company is aiming to venture into an aviation industries and requires an informed analyses of accident data for a good decision making. You need to know which aircraft are model or type that has lowest risk. This analyses will help you to make the right decision in risk management, airplane maintained welfare of the passengers and future investment.

The objective of this project is to identify the risk that are associated by aviation business. the big question that is driving this project is 'which aircraft model and types are the lowest risk in accident?. This will help the company in making decision on which airplane to purchase.

BUSINESS ANALYSIS

In this sector first i cleaned the data by checking the nature of the of the data and removing the data i felt was of no impact to my project of looking for the least risk aircraft for our company to venture in . i also used bar graphs to show the relationships between different data for a better decision making.

RECOMMENDATION

Through data analysis i have come up with different recommendations:

1. That aviation business is good venture although it has it share of rist but those risks are manageable.
2. When venturing into aviation business it is good to venture into a less risk venture like commercial sector

PROJECT GOALS

The goal of the project is to analyze the aviation accident data and identify which air craft is good and has the lowest operational and maintenance risk. through this data the company will be in a position to make the right the right decision and maximize their profit in the business, also the safety of the passenger and cargo will be put in place.

THANK YOU