ANGELIC AIRLINE

Although the airline industry has its share of challenges, it can be a very profitable endeavor with careful preparation and I will lead you through this presentation.

01. PROJECT OVERVIEW

02. DATA ANALYSIS

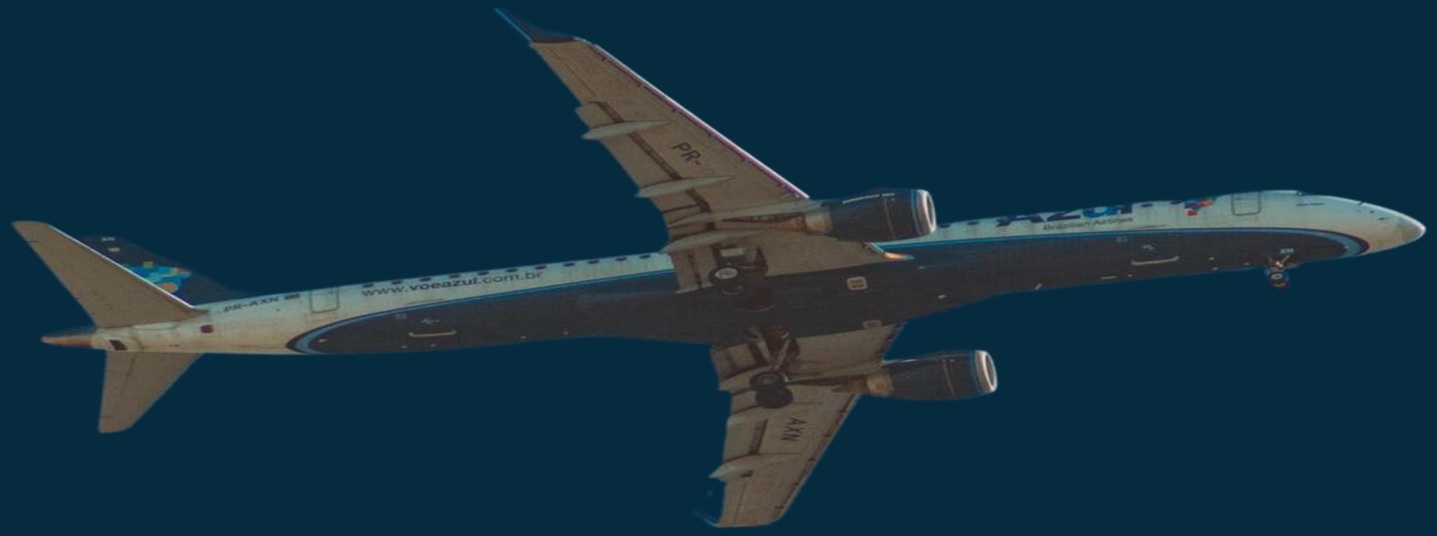
03. RECOMMENDATIONS

0.1 PROJECT OVERVIEW

You are diversifying your business by entering new markets, and your primary interest is in buying and running aircraft for individual and commercial use. However, you are unaware of the possible hazards associated with aviation. It is my responsibility to ascertain which planes pose the least risk to the corporation when it launches this new venture. The next step is to turn my research into useful knowledge that the head of the new aviation division may utilize to inform his or her decision on which aircraft to buy.
I will lead you through an analysis of each possible aircraft in our data provided by https://www.kaggle.com/datasets/khsamaha/aviation-accident-database-synopses since I take delight in making sure that the world is your runway. For my investigation, I was able to use technologies like the programming language Python and the visualization tools Matplotlib and Seaborn.

WELCOME TO PRESENTATION

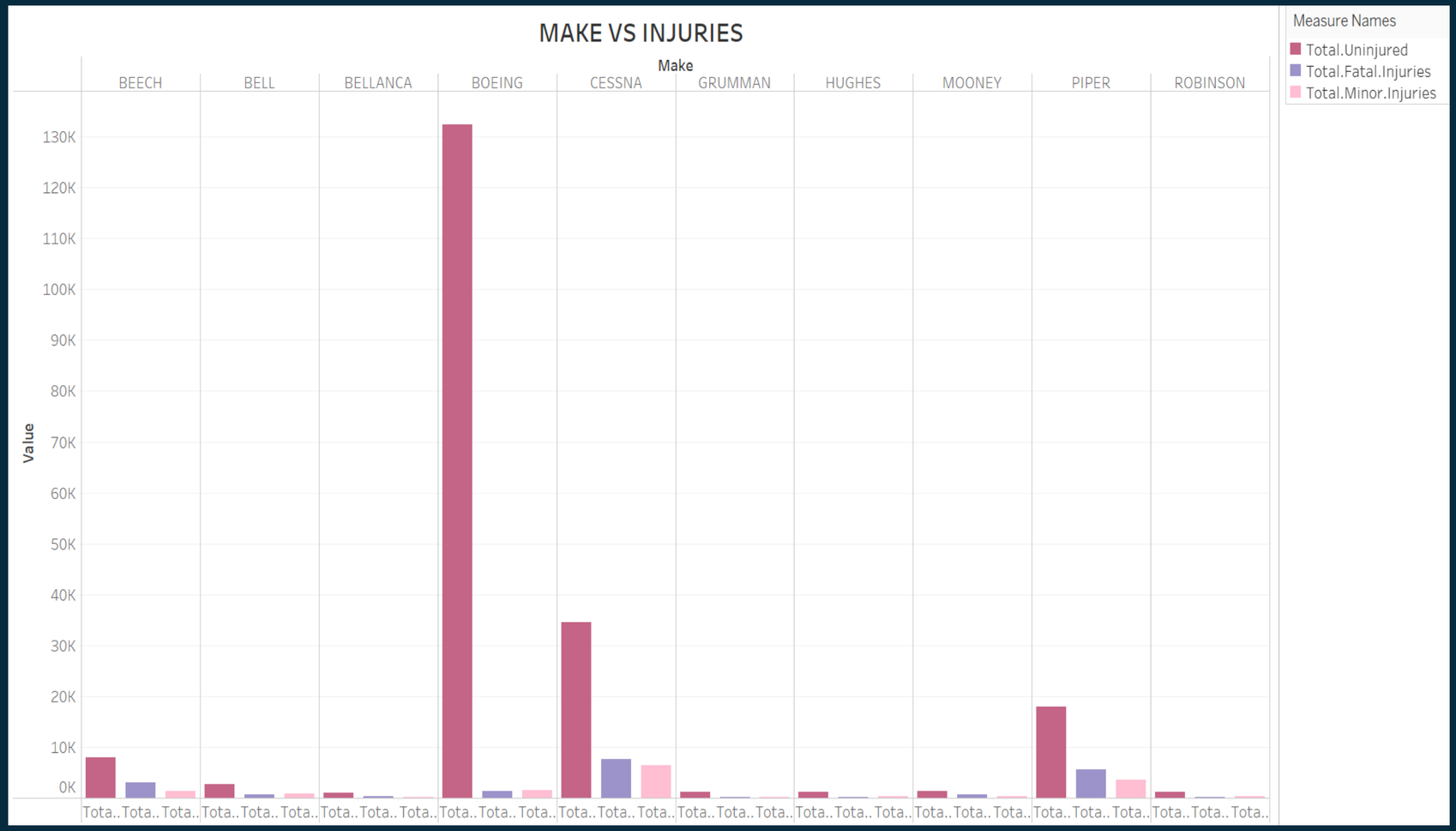
LET’S DIVE RIGHT IN



0.2 DATA ANALYSIS

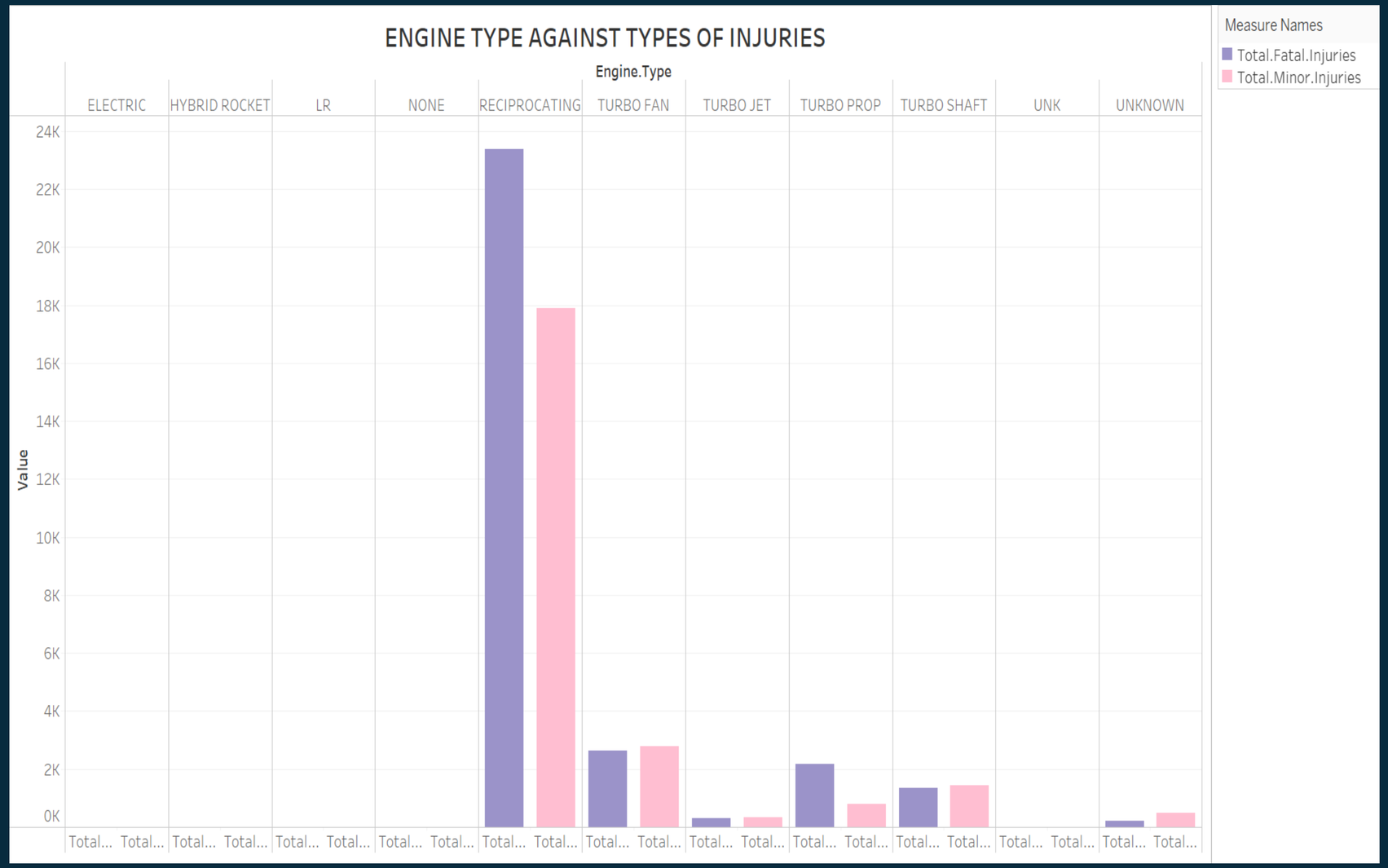
We shall be able to see graphically how different variable columns are related.

A BAR PLOT DESCRIBING THE SIGNIFICANCE OF THE AIRCRAFT MAKE VS NUMBER OF INJURED AND UNINJURED



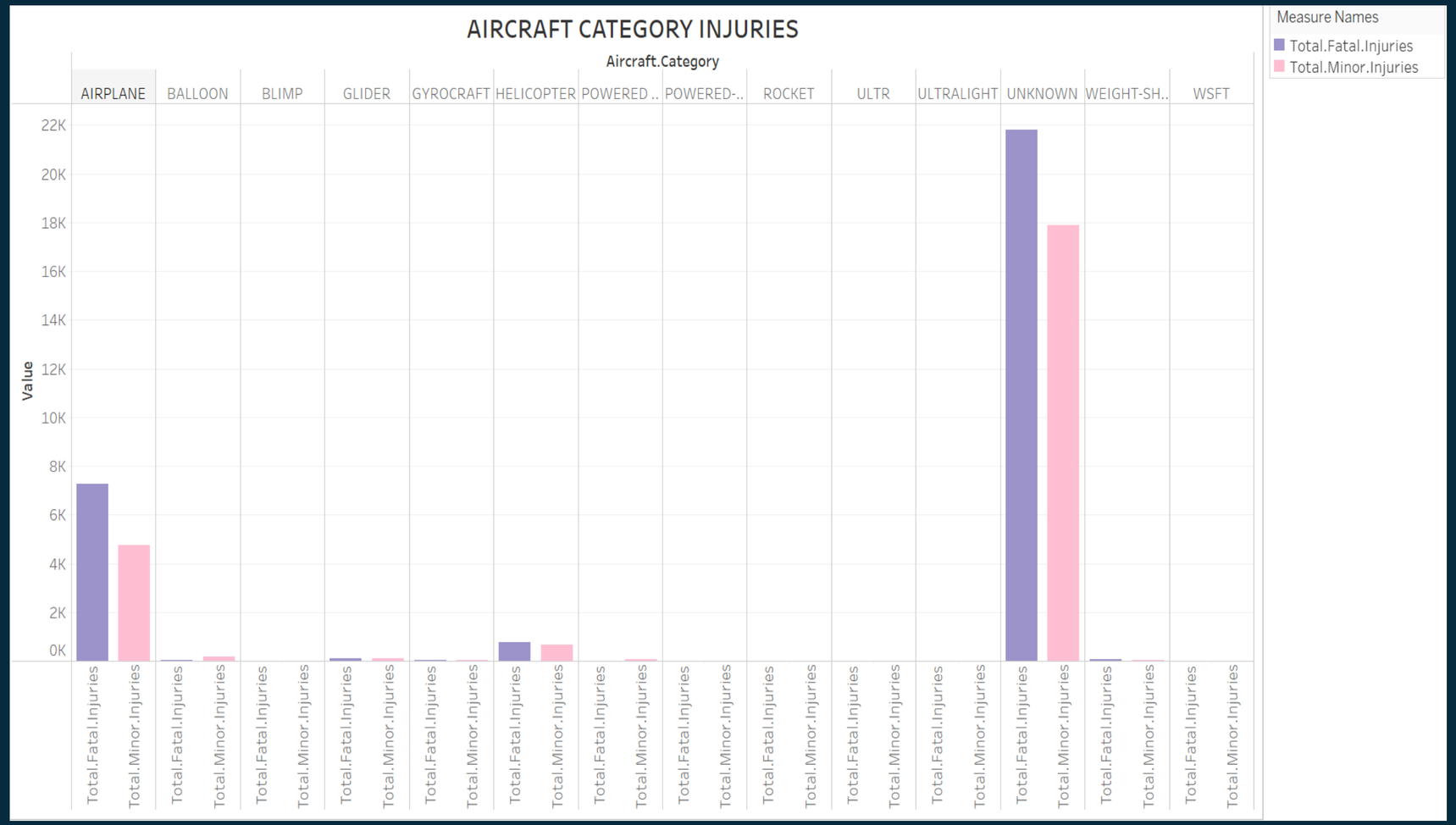
- We can observe that Cessna has the highest number of injured individuals followed by Piper and Beech.
- While Boeing, Cessna and Piper have the highest number of uninjured individuals.

A BAR PLOT DESCRIBING THE SIGNIFICANCE OF THE TYPE OF ENGINE TO THE NUMBER OF INJURED AND UNINJURED



- Since we are more interested with the least number of injured, we can observe that the Reciprocating engine, Turbo fan engine and Turbo shaft engine have the highest number of uninjured

A BAR PLOT DESCRIBING THE SIGNIFICANCE OF THE AIRCRAFT CATEGORY TO THE NUMBER OF INJURED AND UNINJURED



- We can clearly observe that Airplane and Helicopter are the crafts with the most number of uninjured individuals

RECOMMENDATIONS

- While Boeing, Cessna and Piper have the highest number of uninjured individuals, I can confidently propose that this aircraft makes are less risky than the others and should be considered.
- The aircrafts: the Reciprocating engine, Turbo fan engine and Turbo shaft engine have the highest number of uninjured and should also be considered as a way of reducing the level of risk in aircrafts.
- Airplane and helicopters have the least number of uninjured individuals hence make a good for for aircrafts to venture into.
- With the coming of advancements in technology the Aircraft business looks like a profitable venture as you shall see in my tableau publication.

YOU ARE NOW READY TO TAKE A FLIGHT INTO YOUR NEW VENTURE