

Visualization of Fleet Metrics:

Background

Airlines have a fleet of airplanes with the number of units on hand and different metrics associated with the fleet. Being able to visualize fleet data and present to stakeholders is an extremely important aspect of being a data analyst.

Goal

You are tasked with building a dashboard or visualization that presents the airplane data in a meaningful way. The purpose is to identify any trends or insights in the data and present that in a way for someone non-technical to understand. Think about the story that you want to tell.

Code

We are looking for you to show off your analyst skills using any coding/visualization tool of your choice. Please keep in mind we are not looking for a correct answer. We are looking for you to show how you think and problem solve.

Data

All data is open sourced, and more information can be found here:

<https://www.kaggle.com/traceyvanp/airlinefleet>

Parent Airline: i.e. International Airlines Group (IAG)

Airline: i.e. Iberia, Aer Lingus, British Airways...etc. which are owned by IAG

Aircraft Type: Manufacturer & Model

Current: Quantity of airplanes in Operation

Future: Quantity of airplanes on order, from planespotter.net

Order: Quantity airplanes on order, from Wikipedia

Unit Cost: Average unit cost (\$M) of Aircraft Type, as found by Wikipedia and various google searches

Total Cost: Current quantity * Unit Cost (\$M)

Average Age: Average age of "Current" airplanes by "Aircraft Type"

Report

Please return a converted PDF document displaying your visualization and thought process.