Airline Satisfaction Predictions

By Kelsey Woody

Agenda

- Purpose
- Data Overview
- Exploratory Analysis
- Modeling
- Final Thoughts

Purpose

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- The purpose of conducting this analysis was to clean data, visualize the data, model the data, and create conclusions based on my findings.

Data Overview

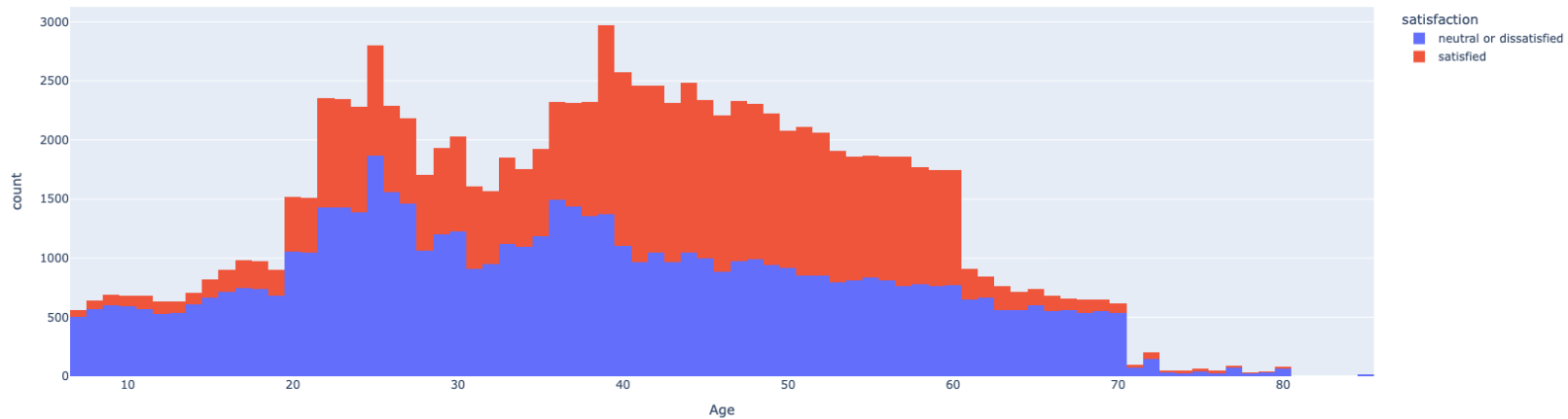# Data Exploration

- Head ()
- Describe()
- Shape

Data Cleaning
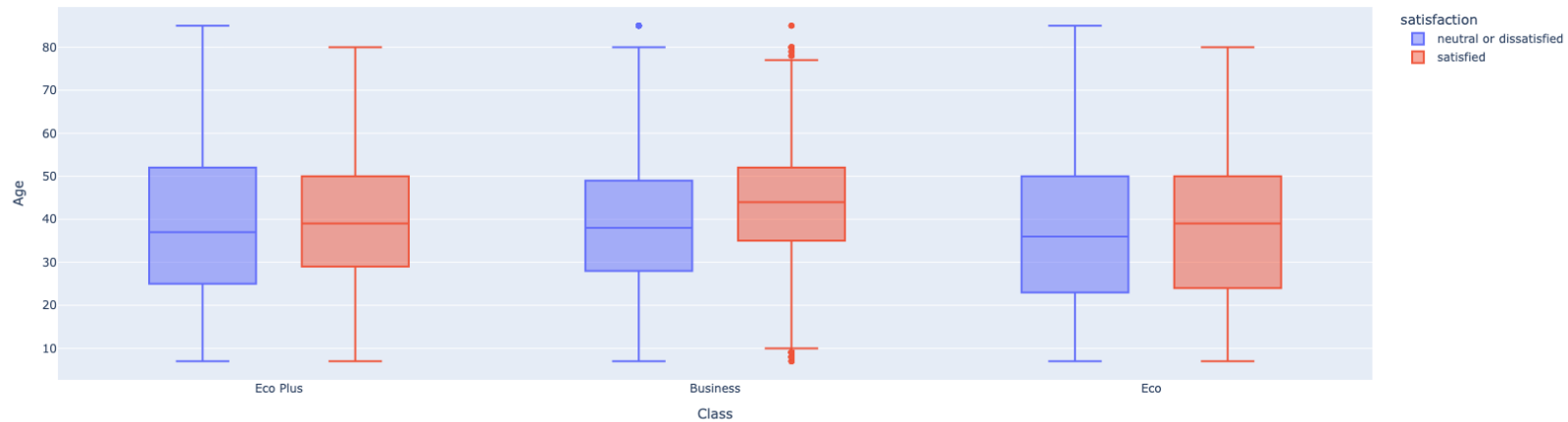
- Isnull().sum()
- .drop()

Exploratory Analysis

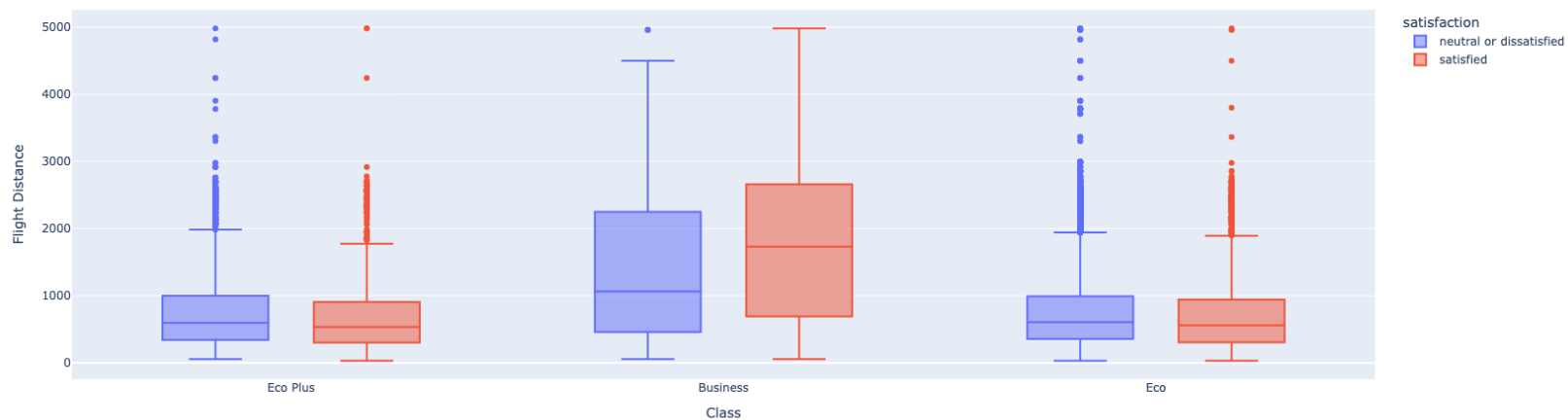# Data Visualizations

- Histograms
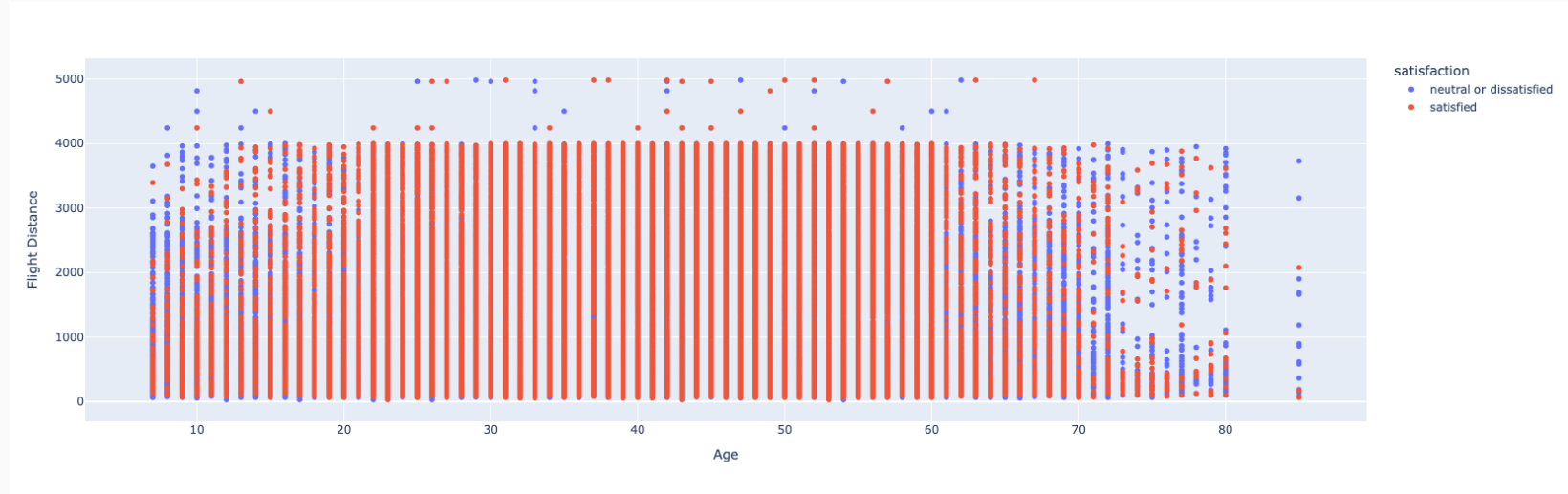- Box Plots
- Scatter Plot

Histogram

Box Plot

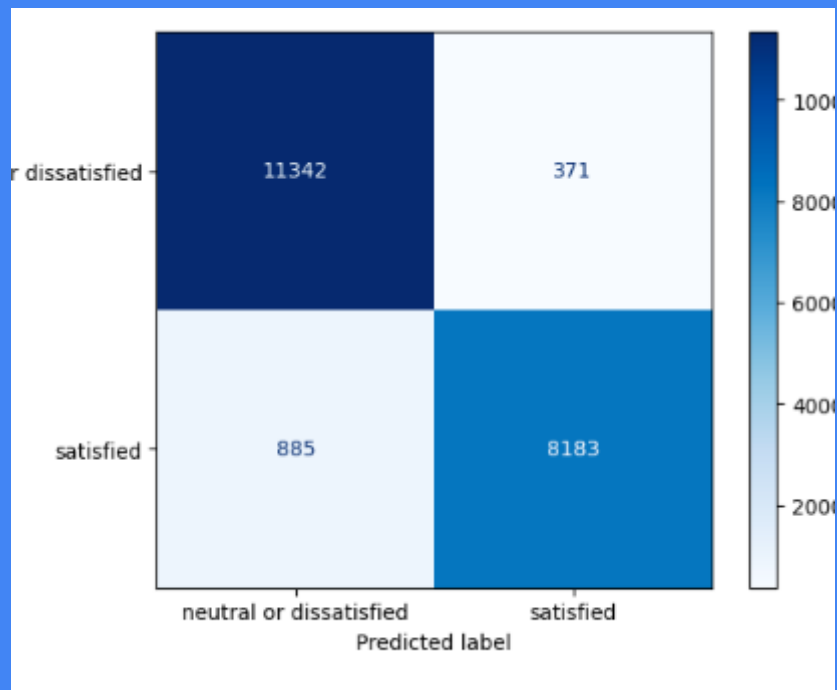# Box Plot

Scatterplot

Modeling

Modeling Overview

- K-Nearest Neighbors
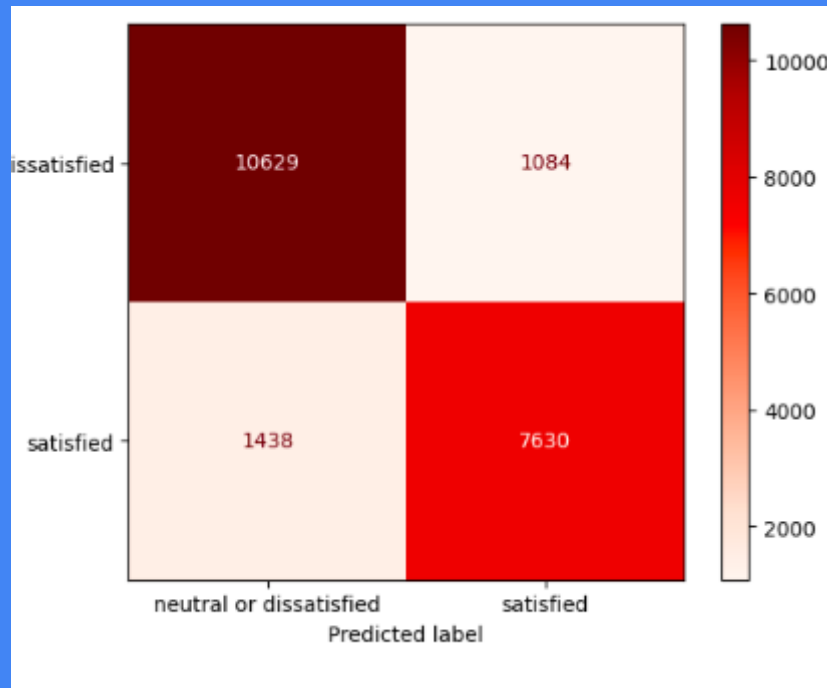- Logistic Regression
- Random Forest

K-nearest Neighbors
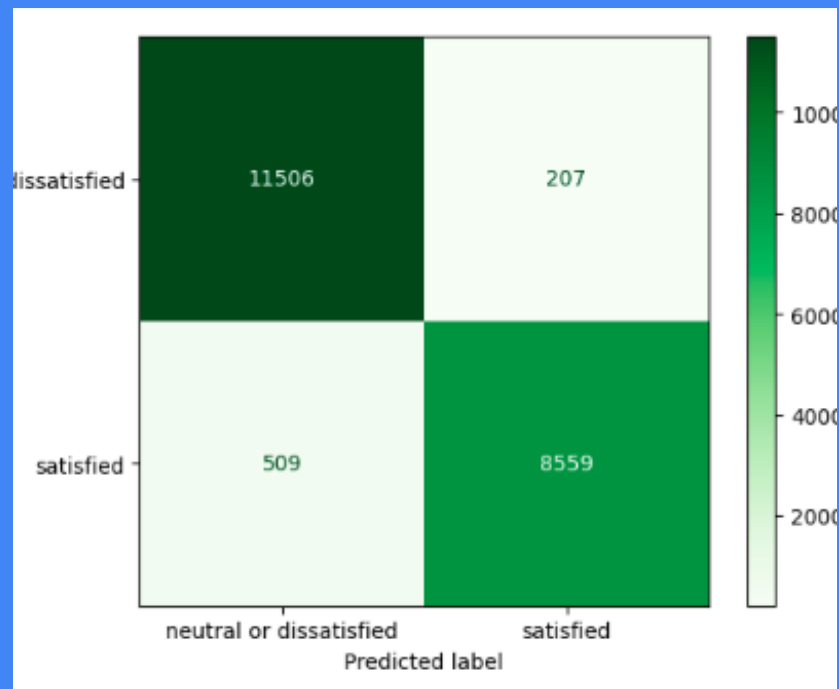
- Train score
- Test score
- Confusion matrix

Logistic Regression

- Train score

- Test score

- Confusion matrix

Random Forest

- Train score

- Test score

- Confusion matrix

Final Thoughts

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- The airline satisfaction prediction project aimed to evaluated how satisfied customers were with different elements of the flight experience.

Final point

The data can't tell the story by itself that's our job

Thanks!

Contact us:

Data Heroes
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DM me on Disco! :)