Created a Pipeline in Azure ML Studio using designer feature .

A screenshot of a computer

Description automatically generated

Dataset Before making any changes such as selecting columns and handling missing values.

A table with numbers and letters

Description automatically generated

Select Columns in Dataset feature to keep only the necessary columns for the future predictions.

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A screenshot of a data

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Used Clean Missing Data Module to handle the missing values, in this case we replaced them with mean due to being very low missing values.

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A screenshot of a data screen

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Execute Python Script for some feature engineering and creating new columns flight\_type for the analysis.

A screenshot of a computer program

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Split Data feature to distribute the data into train and test. We decide the split of 70% train and 30% test.

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Next we trained the model by adding Train Model Module and attached Two-class decision forest module due to its robustness and ability to handle imbalanced data. Then connected the Test data from the split and trained data to the Score Model Module for further evaluations. In the end attached evaluation model module to show the evaluations from the selected models.

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