

# *Predicting Taxi out Time*



# Project Brief

Data about flights leaving from JFK airport between Nov 2019-Dec-2020.

Data was scraped under a Academic Paper under Review by IEEE transportation

Taxi-Out prediction has been an important concept as it helps in calculating Runway time and directly impact the cost of the flight

# Table of contents

## Project Brief

SLIDE 02

## Correlation Matrix

SLIDE 04

## Outliers

SLIDE 05

## Histogram

SLIDE 06

## Scatter Plot

SLIDE 07

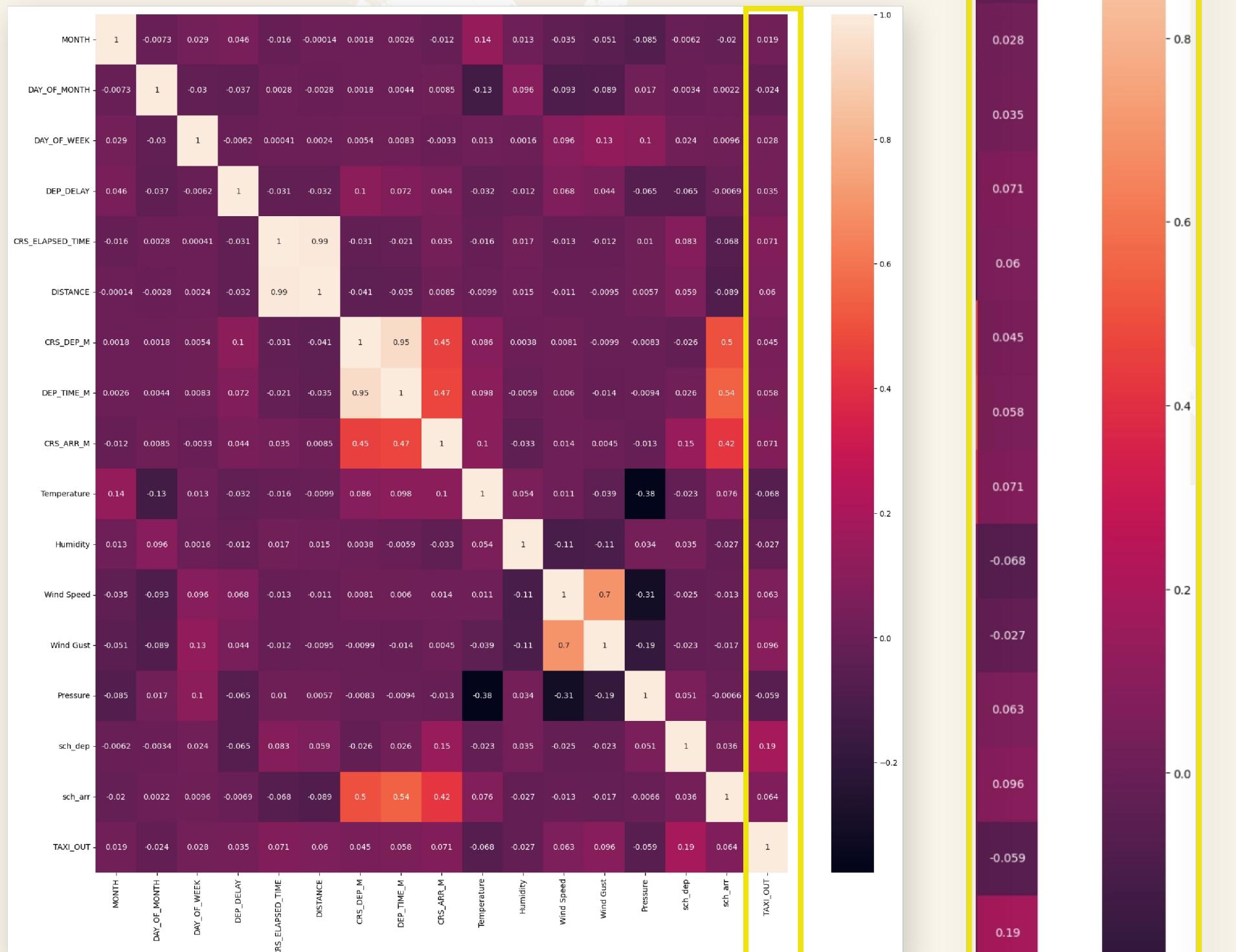
## ML Process

SLIDE 08

## Conclusion

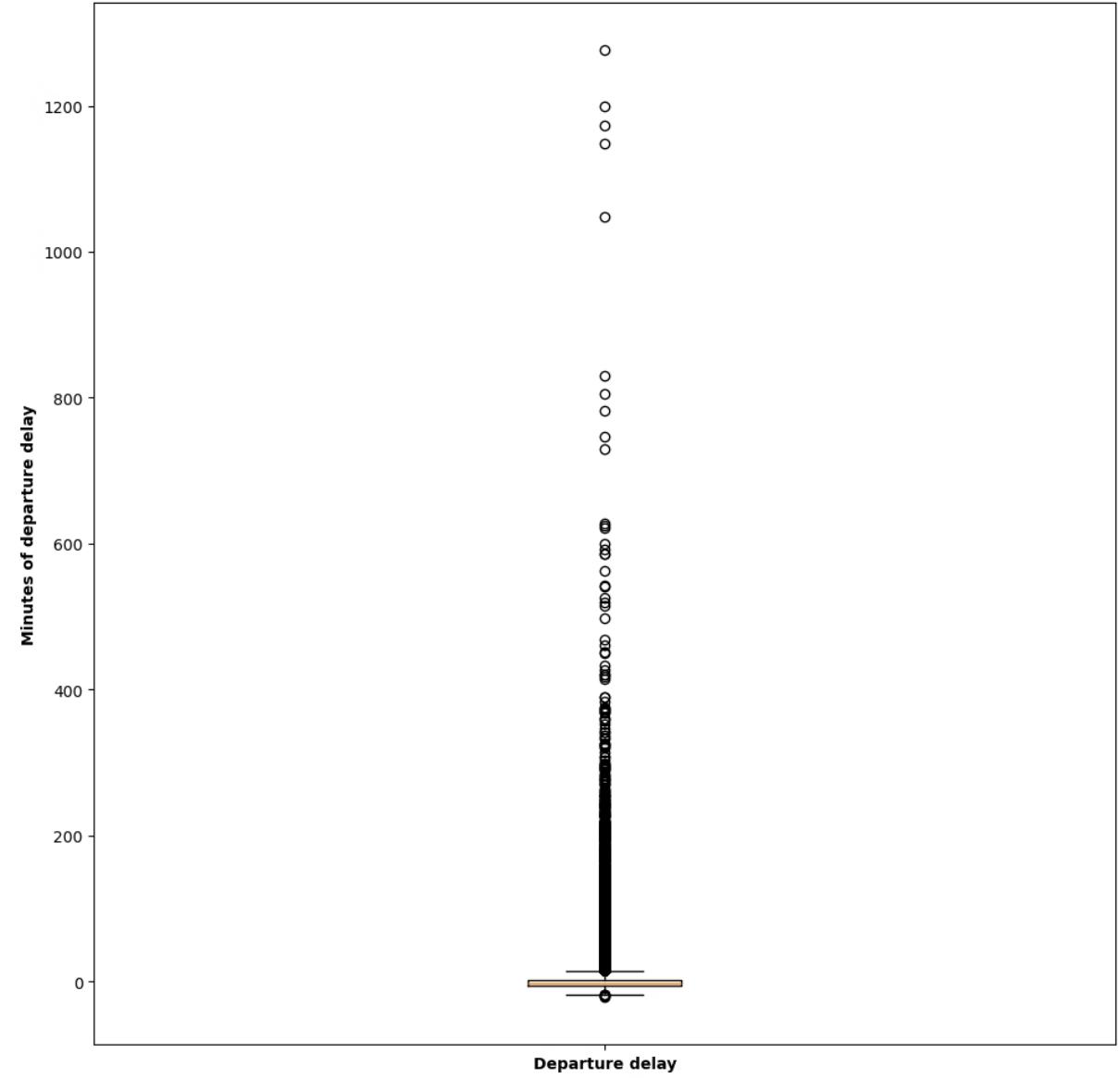
SLIDE 09

# Correlation matrix



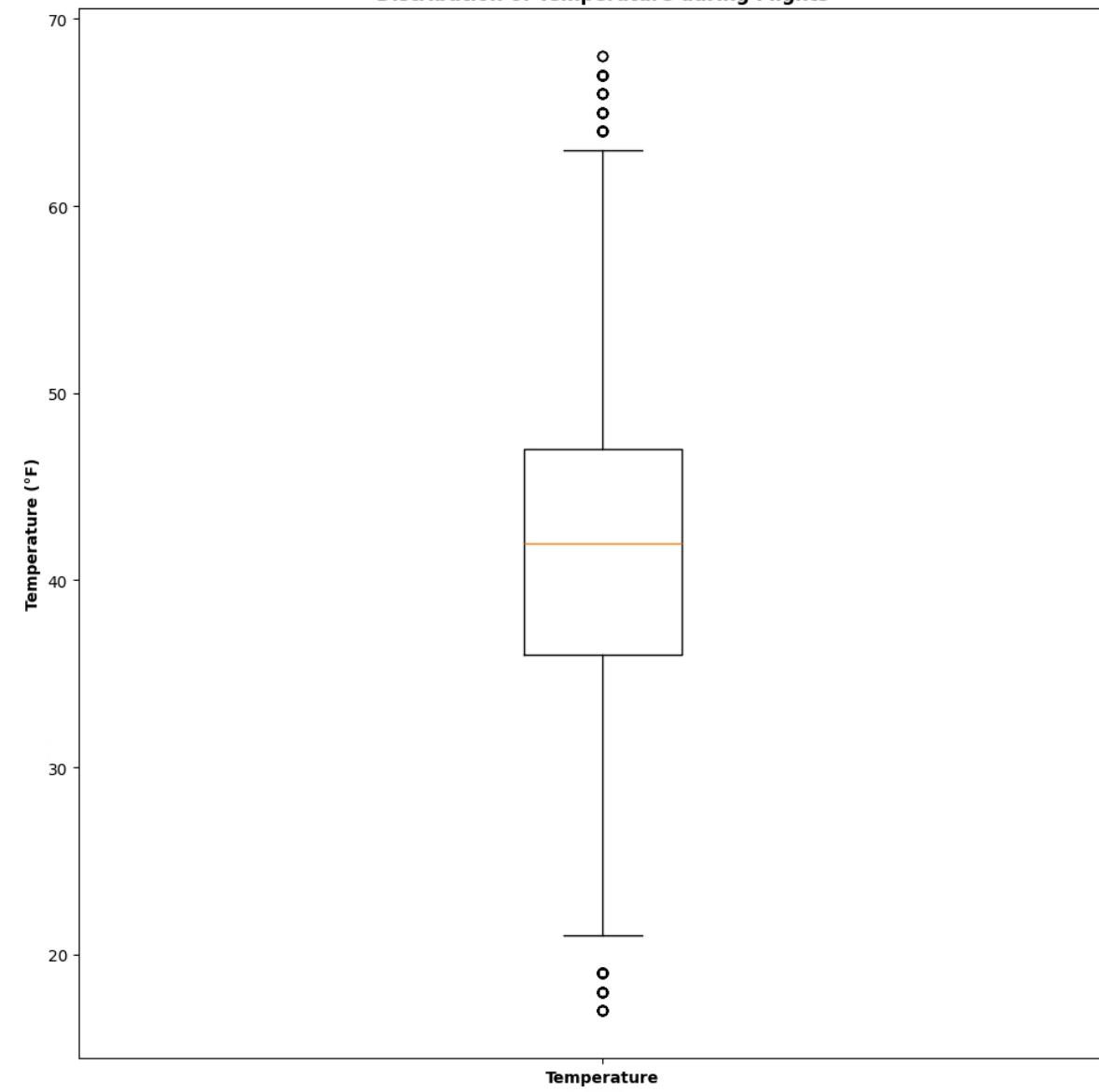
Taxi\_out

**Minutes of departure delay by flight**

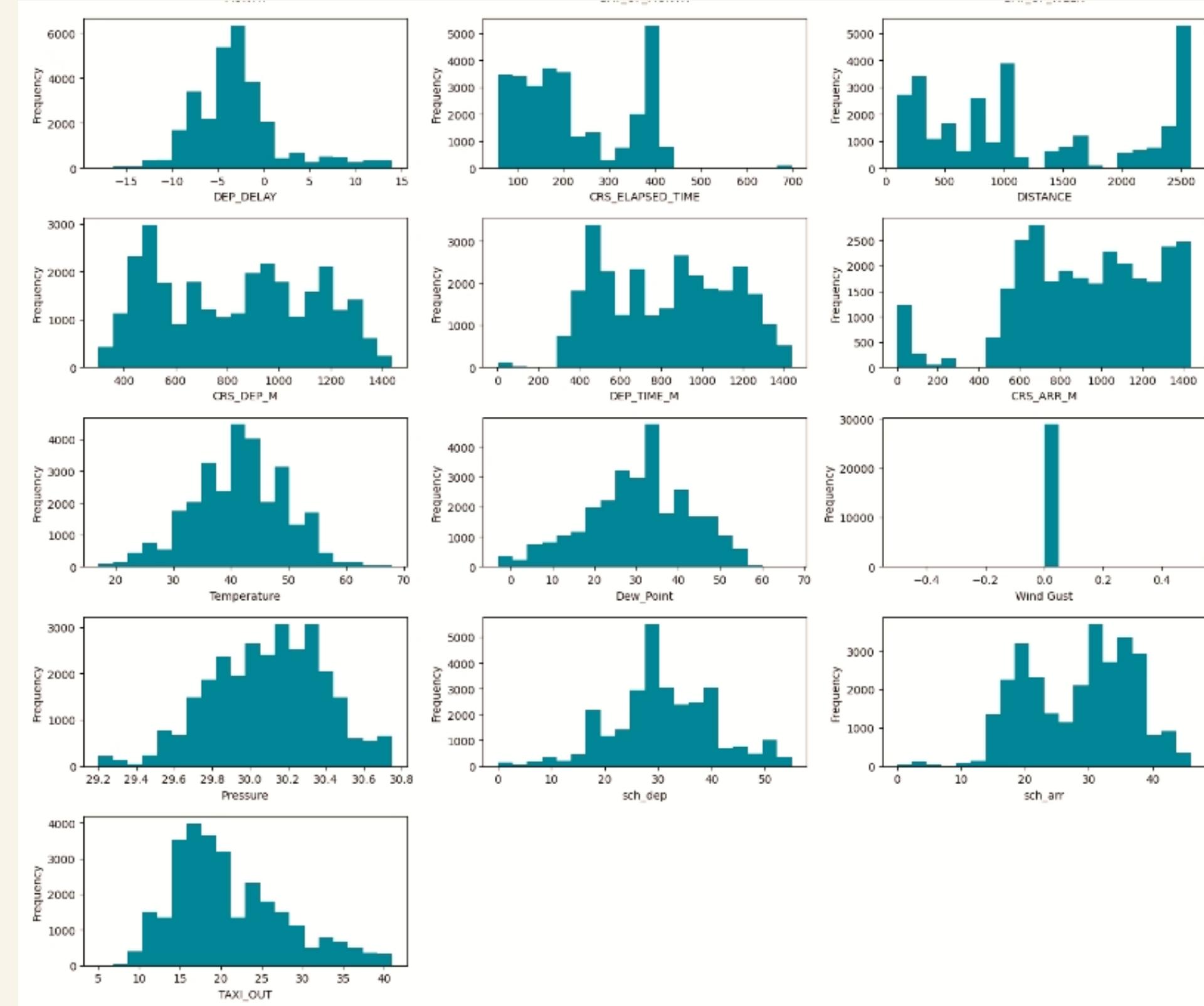


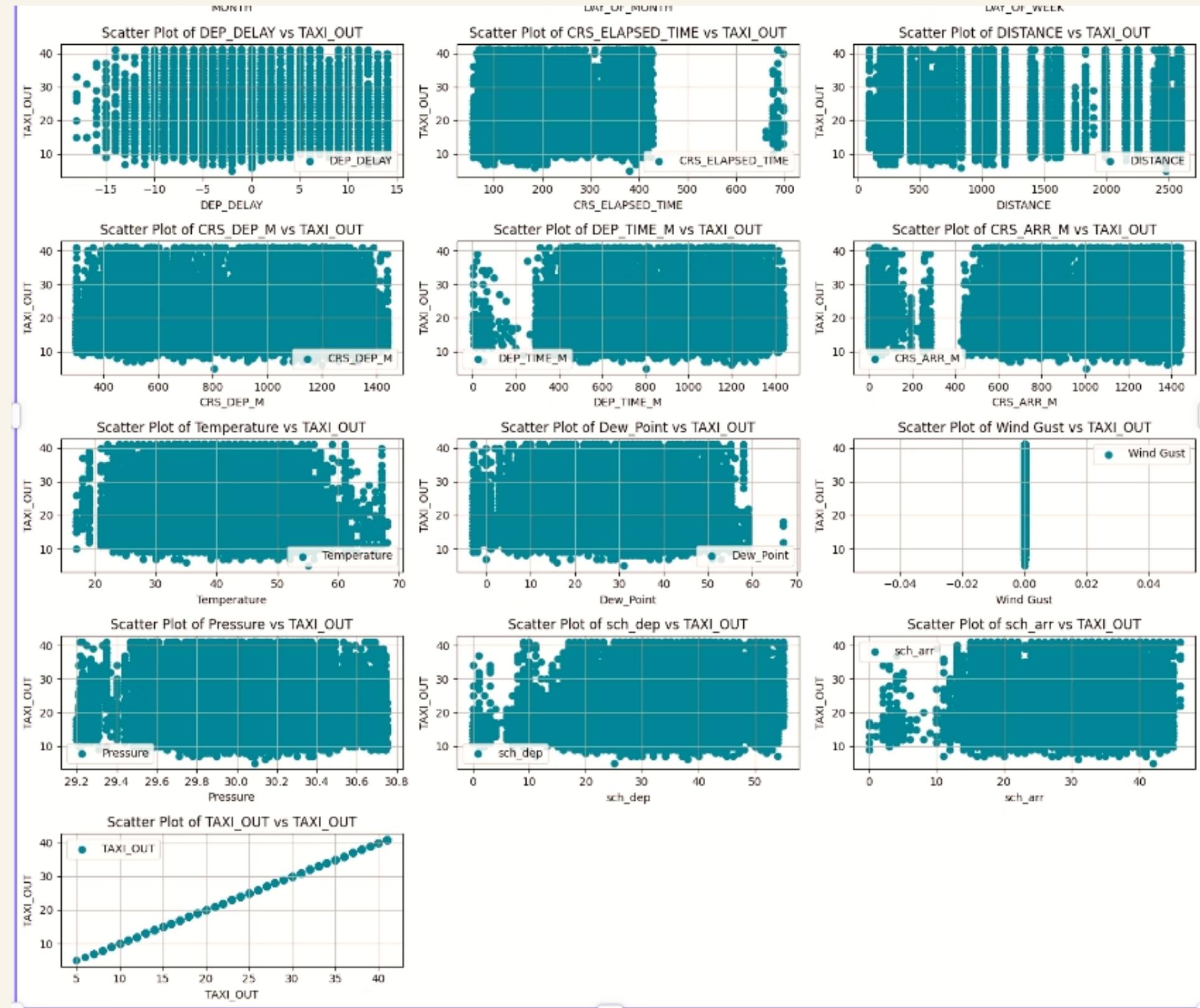
EXTREME OUTLIERS

**Distribution of Temperature during Flights**

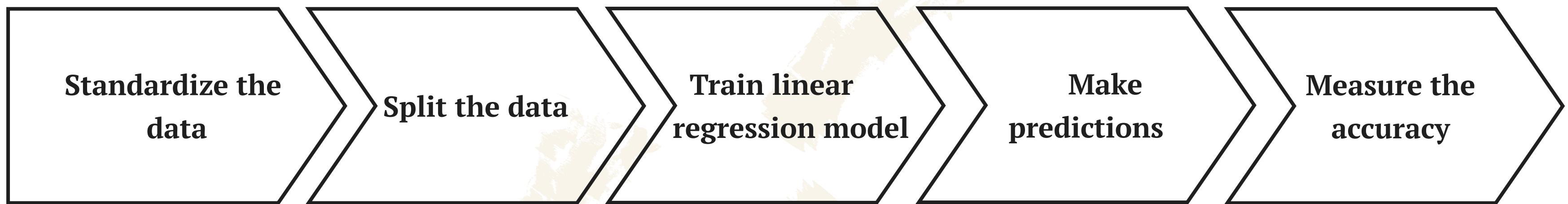


LESS EXTREME OUTLIERS





# ML process



## Scatter Plot with Linear Regression Line

