**Data Dictionary**

NAME: M1\_final.csv

TYPE: Flights Records

SIZE: 28820 observations, 23 variables

DESCRIPTIVE ABSTRACT: Dataset contains information from JFK airport, USA. Contains data about flights leaving from JFK between November 2019 and December 2020. The target variable is the Taxi-Out time. The prediction of this variable has been an important concept as it helps in calculating Runway Time and directly impact the cost of flight.

SOURCES: JFK airport, USA

VARIABLE DESCRIPTION: The data has 23 columns which includes 18 numerical and 5 categorical variables

MONTH: The month of the flight (1-12)

DAY\_OF\_MONTH: The day(number) of each month (1-31)

DAY\_OF\_WEEK: The day(number) of each week (1-7)

OP\_UNIQUE\_CARRIER: Contains information about carrier code (should generally be carrier company)

TAIL\_NUM: Contains the airflight number of each flight (coded)

DEST: The name of the destination airport of each flight (coded)

DEP\_DELAY: The departure delay of the flight (minutes)

CRS\_ELAPSED\_TIME: The scheduled journey time of the flight (minutes)

DISTANCE: The distance of the flight (air miles)

CRS\_DEP\_M: The scheduled departure time (in what?)

DEP\_TIME\_M: The actual departure time(Gate checkout of the flight, not the take off time) (minutes)

CRS\_ARR\_M: The scheduled arrival time (in what?)

Temperature: The temperature in airport’s area (fahrenheit)

Dew Point: The dew point in airport’s area (fahrenheit)

Humidity: The humidity in airport’s area (%)

Wind: The direction of the wind

Wind Speed: The speed of the wind (miles per hour, mph)

Wind Gust: The wind gust in airport’s area (miles per hour, mph)

Pressure: The pressure in airport’s area (psi)

Condition: The weather conditions in the airport

sch\_dep: The number of flights scheduled for departure

sch\_arr: The number of flights scheduled for arrival

TAXI\_OUT: The Taxi-out time(Run away time in minutes) (TARGET VARIABLE)