import numpy as np # linear algebra

import pandas as pd # data processing, CSV file I/O (e.g. pd.read\_csv)

import os

for dirname, \_, filenames in os.walk('/kaggle/input'):

    for filename in filenames:

        print(os.path.join(dirname, filename))

import  pandas as pd

file1 = pd.read\_excel(r'/content//Data\_Train.xlsx' , sheet\_name = 'Sheet1')

file1.info()

<class 'pandas.core.frame.DataFrame'>

RangeIndex: 10683 entries, 0 to 10682

Data columns (total 11 columns):

# Column Non-Null Count Dtype

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0 Airline 10683 non-null object

1 Date\_of\_Journey 10683 non-null object

2 Source 10683 non-null object

3 Destination 10683 non-null object

4 Route 10682 non-null object

5 Dep\_Time 10683 non-null object

6 Arrival\_Time 10683 non-null object

7 Duration 10683 non-null object

8 Total\_Stops 10682 non-null object

9 Additional\_Info 10683 non-null object

10 Price 10683 non-null int64

dtypes: int64(1), object(10)

memory usage: 918.2+ KB

[6]

0s

file1.isnull().sum()

Airline 0

Date\_of\_Journey 0

Source 0

Destination 0

Route 1

Dep\_Time 0

Arrival\_Time 0

Duration 0

Total\_Stops 1

Additional\_Info 0

Price 0

dtype: int64

[7]

0s

category = ['Airline','Source' , 'Destination' ,'Additional\_Info']  
print(category)

['Airline', 'Source', 'Destination', 'Additional\_Info']

[11]

0s

for i in category :  
    print(i , file1[i].unique())  
         
    print(i , file1[i].unique())

Airline ['IndiGo' 'Air India' 'Jet Airways' 'SpiceJet' 'Multiple carriers' 'GoAir'

'Vistara' 'Air Asia' 'Vistara Premium economy' 'Jet Airways Business'

'Multiple carriers Premium economy' 'Trujet']

Airline ['IndiGo' 'Air India' 'Jet Airways' 'SpiceJet' 'Multiple carriers' 'GoAir'

'Vistara' 'Air Asia' 'Vistara Premium economy' 'Jet Airways Business'

'Multiple carriers Premium economy' 'Trujet']

Source ['Banglore' 'Kolkata' 'Delhi' 'Chennai' 'Mumbai']

Source ['Banglore' 'Kolkata' 'Delhi' 'Chennai' 'Mumbai']

Destination ['New Delhi' 'Banglore' 'Cochin' 'Kolkata' 'Delhi' 'Hyderabad']

Destination ['New Delhi' 'Banglore' 'Cochin' 'Kolkata' 'Delhi' 'Hyderabad']

Additional\_Info ['No info' 'In-flight meal not included' 'No check-in baggage included'

'1 Short layover' 'No Info' '1 Long layover' 'Change airports'

'Business class' 'Red-eye flight' '2 Long layover']

Additional\_Info ['No info' 'In-flight meal not included' 'No check-in baggage included'

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