ProblemStatement: Which model is suitable(bestfit) for the given dataset

In [1]:

```
import pandas as pd
import numpy as np
import matplotlib.pyplot as plt
import seaborn as sns
```

DataCollection

In [2]:

traindf=pd.read_csv(r"C:\Users\kunam\Downloads\Data_Train.csv")
traindf

Out[2]:

| | Airline | Date_of_Journey | Source | Destination | Route | Dep_Time | Arrival_Time | D |
|-------|----------------|-----------------|----------|-------------|--------------------------------------|----------|--------------|---|
| 0 | IndiGo | 24/03/2019 | Banglore | New Delhi | BLR ? DEL | 22:20 | 01:10 22 Mar | |
| 1 | Air India | 1/05/2019 | Kolkata | Banglore | CCU ? IXR ? BBI ? BLR | 05:50 | 13:15 | |
| 2 | Jet Airways | 9/06/2019 | Delhi | Cochin | DEL ? LKO ? BOM ? COK | 09:25 | 04:25 10 Jun | |
| 3 | IndiGo | 12/05/2019 | Kolkata | Banglore | CCU ? NAG ? BLR | 18:05 | 23:30 | |
| 4 | IndiGo | 01/03/2019 | Banglore | New Delhi | BLR ? NAG ? DEL | 16:50 | 21:35 | |
| | | | | | | | | |
| 10678 | Air Asia | 9/04/2019 | Kolkata | Banglore | CCU ? BLR | 19:55 | 22:25 | |
| 10679 | Air India | 27/04/2019 | Kolkata | Banglore | CCU ? BLR | 20:45 | 23:20 | |
| 10680 | Jet Airways | 27/04/2019 | Banglore | Delhi | BLR ? DEL | 08:20 | 11:20 | |
| 10681 | Vistara | 01/03/2019 | Banglore | New Delhi | BLR ? DEL | 11:30 | 14:10 | |
| 10682 | Air India | 9/05/2019 | Delhi | Cochin | DEL ? GOI ? BOM ? COK | 10:55 | 19:15 | |



In [3]:

testdf=pd.read_csv(r"C:\Users\magam\Downloads\Test_set26.csv")
testdf

Out[3]:

| | Airline | Date_of_Journey | Source | Destination | Route | Dep_Time | Arrival_Time | Dι |
|------|----------------------|-----------------|----------|-------------|--------------------------|----------|-----------------|----|
| 0 | Jet Airways | 6/06/2019 | Delhi | Cochin | DEL ? BOM ? COK | 17:30 | 04:25 07 Jun | 1(|
| 1 | IndiGo | 12/05/2019 | Kolkata | Banglore | CCU ? MAA ? BLR | 06:20 | 10:20 | |
| 2 | Jet Airways | 21/05/2019 | Delhi | Cochin | DEL ? BOM ? COK | 19:15 | 19:00 22 May | 23 |
| 3 | Multiple carriers | 21/05/2019 | Delhi | Cochin | DEL ? BOM ? COK | 08:00 | 21:00 | |
| 4 | Air Asia | 24/06/2019 | Banglore | Delhi | BLR ? DEL | 23:55 | 02:45 25 Jun | 2 |
| | | | | | | | | |
| 2666 | Air India | 6/06/2019 | Kolkata | Banglore | CCU ? DEL ? BLR | 20:30 | 20:25 07 Jun | 23 |
| 2667 | IndiGo | 27/03/2019 | Kolkata | Banglore | CCU ? BLR | 14:20 | 16:55 | 2 |
| 2668 | Jet Airways | 6/03/2019 | Delhi | Cochin | DEL ? BOM ? COK | 21:50 | 04:25 07 Mar | € |
| 2669 | Air India | 6/03/2019 | Delhi | Cochin | DEL ? BOM ? COK | 04:00 | 19:15 | 15 |
| 2670 | Multiple carriers | 15/06/2019 | Delhi | Cochin | DEL ? BOM ? COK | 04:55 | 19:15 | 14 |
| 2671 | rows × 10 |) columns | | | | | | |
| | | | | | | | | |

Data preprocessing

In [4]:

1 traindf.describe()

Out[4]:

| | Price |
|-------|--------------|
| count | 10683.000000 |
| mean | 9087.064121 |
| std | 4611.359167 |
| min | 1759.000000 |
| 25% | 5277.000000 |
| 50% | 8372.000000 |
| 75% | 12373.000000 |
| max | 79512.000000 |

In [5]:

1 testdf.describe()

Out[5]:

| | Airline | Date_of_Journey | Source | Destination | Route | Dep_Time | Arrival_Time | D |
|--------|----------------|-----------------|--------|-------------|--------------------------|----------|--------------|---|
| count | 2671 | 2671 | 2671 | 2671 | 2671 | 2671 | 2671 | |
| unique | 11 | 44 | 5 | 6 | 100 | 199 | 704 | |
| top | Jet Airways | 9/05/2019 | Delhi | Cochin | DEL ? BOM ? COK | 10:00 | 19:00 | |
| freq | 897 | 144 | 1145 | 1145 | 624 | 62 | 113 | |
| 4 | | | | | | | • | |

```
In [6]:
```

```
traindf.info()
<class 'pandas.core.frame.DataFrame'>
RangeIndex: 10683 entries, 0 to 10682
Data columns (total 11 columns):
#
    Column
                    Non-Null Count Dtype
                    -----
---
    _____
0
    Airline
                    10683 non-null object
    Date_of_Journey 10683 non-null object
1
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
    Total_Stops
8
                    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
In [7]:
 1
   testdf.info()
<class 'pandas.core.frame.DataFrame'>
RangeIndex: 2671 entries, 0 to 2670
Data columns (total 10 columns):
#
    Column
                    Non-Null Count
                                   Dtype
    _____
                    -----
    Airline
                                   object
0
                    2671 non-null
    Date_of_Journey 2671 non-null
                                   object
1
2
    Source
                    2671 non-null
                                   object
3
    Destination
                    2671 non-null
                                   object
4
    Route
                    2671 non-null
                                   object
5
    Dep_Time
                    2671 non-null
                                   object
6
    Arrival_Time
                    2671 non-null
                                   object
7
    Duration
                    2671 non-null
                                   object
8
    Total Stops
                    2671 non-null
                                   object
9
    Additional Info 2671 non-null
                                   object
dtypes: object(10)
memory usage: 208.8+ KB
In [8]:
   traindf.columns
Out[8]:
'Additional Info', 'Price'],
```

dtype='object')

```
In [9]:
```

```
1 testdf.columns
```

Out[9]:

In [10]:

```
1 traindf.isnull().sum()
```

Out[10]:

```
Airline
                    0
Date_of_Journey
                    0
Source
                    0
Destination
                    0
Route
                    1
                    0
Dep_Time
Arrival_Time
                    0
Duration
Total_Stops
                    1
Additional_Info
                    0
Price
                    0
dtype: int64
```

In [11]:

```
1 traindf.dropna(inplace=True)
```

In [12]:

```
1 testdf.isnull().sum()
```

Out[12]:

```
Airline
                    0
Date_of_Journey
Source
                    0
Destination
                    0
Route
                    0
Dep_Time
Arrival_Time
                    0
Duration
                    0
Total_Stops
                    0
Additional_Info
dtype: int64
```

```
In [13]:
```

```
1 traindf['Airline'].value_counts()
```

Out[13]:

Airline Jet Airways 3849 IndiGo 2053 Air India 1751 Multiple carriers 1196 SpiceJet 818 Vistara 479 Air Asia 319 GoAir 194 Multiple carriers Premium economy 13 Jet Airways Business 6 Vistara Premium economy 3 1 Trujet Name: count, dtype: int64

In [14]:

```
1 traindf['Source'].value_counts()
```

Out[14]:

Source

Delhi 4536 Kolkata 2871 Banglore 2197 Mumbai 697 Chennai 381

Name: count, dtype: int64

In [15]:

```
1 traindf['Destination'].value_counts()
```

Out[15]:

Destination

Cochin 4536 Banglore 2871 Delhi 1265 New Delhi 932 Hyderabad 697 Kolkata 381

Name: count, dtype: int64

In [16]:

```
1 traindf['Total_Stops'].value_counts()
```

Out[16]:

Total_Stops

1 stop 5625 non-stop 3491 2 stops 1520 3 stops 45 4 stops 1

Name: count, dtype: int64

In [17]:

```
airline={"Airline":{"Jet Airways":0,"IndiGo":1,"Air India":2,"Multiple carriers":
   "SpiceJet":4,"Vistara":5,"Air Asia":6,"GoAir":7,
   "Multiple carriers Premium economy":8,
   "Jet Airways Business":9,"Vistara Premium economy":10,"Trujet":11}}
   traindf=traindf.replace(airline)
   traindf
```

Out[17]:

| | Airline | Date_of_Journey | Source | Destination | Route | Dep_Time | Arrival_Time | Dı |
|-------|---------|-----------------|----------|-------------|--------------------------------------|----------|--------------|----|
| 0 | 1 | 24/03/2019 | Banglore | New Delhi | BLR ? DEL | 22:20 | 01:10 22 Mar | : |
| 1 | 2 | 1/05/2019 | Kolkata | Banglore | CCU ? IXR ? BBI ? BLR | 05:50 | 13:15 | ٠ |
| 2 | 0 | 9/06/2019 | Delhi | Cochin | DEL ? LKO ? BOM ? COK | 09:25 | 04:25 10 Jun | |
| 3 | 1 | 12/05/2019 | Kolkata | Banglore | CCU ? NAG ? BLR | 18:05 | 23:30 | ! |
| 4 | 1 | 01/03/2019 | Banglore | New Delhi | BLR ? NAG ? DEL | 16:50 | 21:35 | |
| | | | | | | | | |
| 10678 | 6 | 9/04/2019 | Kolkata | Banglore | CCU ? BLR | 19:55 | 22:25 | : |
| 10679 | 2 | 27/04/2019 | Kolkata | Banglore | CCU ? BLR | 20:45 | 23:20 | 4 |
| 10680 | 0 | 27/04/2019 | Banglore | Delhi | BLR ? DEL | 08:20 | 11:20 | |
| 10681 | 5 | 01/03/2019 | Banglore | New Delhi | BLR ? DEL | 11:30 | 14:10 | : |
| 10682 | 2 | 9/05/2019 | Delhi | Cochin | DEL ? GOI ? BOM ? COK | 10:55 | 19:15 | ł |



In [18]:

```
city={"Source":{"Delhi":0,"Kolkata":1,"Banglore":2,
    "Mumbai":3,"Chennai":4}}
traindf=traindf.replace(city)
traindf
```

Out[18]:

| | Airline | Date_of_Journey | Source | Destination | Route | Dep_Time | Arrival_Time | Dui |
|-------|---------|-----------------|--------|-------------|--------------------------------------|----------|--------------|-----|
| 0 | 1 | 24/03/2019 | 2 | New Delhi | BLR ? DEL | 22:20 | 01:10 22 Mar | 21 |
| 1 | 2 | 1/05/2019 | 1 | Banglore | CCU ? IXR ? BBI ? BLR | 05:50 | 13:15 | 71 |
| 2 | 0 | 9/06/2019 | 0 | Cochin | DEL ? LKO ? BOM ? COK | 09:25 | 04:25 10 Jun | |
| 3 | 1 | 12/05/2019 | 1 | Banglore | CCU ? NAG ? BLR | 18:05 | 23:30 | 51 |
| 4 | 1 | 01/03/2019 | 2 | New Delhi | BLR ? NAG ? DEL | 16:50 | 21:35 | 41 |
| | | | | | | | | |
| 10678 | 6 | 9/04/2019 | 1 | Banglore | CCU ? BLR | 19:55 | 22:25 | 21 |
| 10679 | 2 | 27/04/2019 | 1 | Banglore | CCU ? BLR | 20:45 | 23:20 | 21 |
| 10680 | 0 | 27/04/2019 | 2 | Delhi | BLR ? DEL | 08:20 | 11:20 | |
| 10681 | 5 | 01/03/2019 | 2 | New Delhi | BLR ? DEL | 11:30 | 14:10 | 21 |
| 10682 | 2 | 9/05/2019 | 0 | Cochin | DEL ? GOI ? BOM ? COK | 10:55 | 19:15 | 81 |



In [19]:

```
destination={"Destination":{"Cochin":0,"Banglore":1,"Delhi":2,
    "New Delhi":3,"Hyderabad":4,"Kolkata":5}}
traindf=traindf.replace(destination)
traindf
```

Out[19]:

| | Airline | Date_of_Journey | Source | Destination | Route | Dep_Time | Arrival_Time | Dui |
|-------|---------|-----------------|--------|-------------|--------------------------------------|----------|--------------|-----|
| 0 | 1 | 24/03/2019 | 2 | 3 | BLR ? DEL | 22:20 | 01:10 22 Mar | 21 |
| 1 | 2 | 1/05/2019 | 1 | 1 | CCU ? IXR ? BBI ? BLR | 05:50 | 13:15 | 71 |
| 2 | 0 | 9/06/2019 | 0 | 0 | DEL ? LKO ? BOM ? COK | 09:25 | 04:25 10 Jun | |
| 3 | 1 | 12/05/2019 | 1 | 1 | CCU ? NAG ? BLR | 18:05 | 23:30 | 51 |
| 4 | 1 | 01/03/2019 | 2 | 3 | BLR ? NAG ? DEL | 16:50 | 21:35 | 41 |
| | | | | | | | | |
| 10678 | 6 | 9/04/2019 | 1 | 1 | CCU ? BLR | 19:55 | 22:25 | 21 |
| 10679 | 2 | 27/04/2019 | 1 | 1 | CCU ? BLR | 20:45 | 23:20 | 21 |
| 10680 | 0 | 27/04/2019 | 2 | 2 | BLR ? DEL | 08:20 | 11:20 | |
| 10681 | 5 | 01/03/2019 | 2 | 3 | BLR ? DEL | 11:30 | 14:10 | 21 |
| 10682 | 2 | 9/05/2019 | 0 | 0 | DEL ? GOI ? BOM ? COK | 10:55 | 19:15 | 81 |



In [20]:

```
stops={"Total_Stops":{"non-stop":0,"1 stop":1,"2 stops":2,
    "3 stops":3,"4 stops":4}}
traindf=traindf.replace(stops)
traindf
```

Out[20]:

| | Airline | Date_of_Journey | Source | Destination | Route | Dep_Time | Arrival_Time | Dui |
|-------|---------|-----------------|--------|-------------|--------------------------------------|----------|--------------|-----|
| 0 | 1 | 24/03/2019 | 2 | 3 | BLR ? DEL | 22:20 | 01:10 22 Mar | 21 |
| 1 | 2 | 1/05/2019 | 1 | 1 | CCU ? IXR ? BBI ? BLR | 05:50 | 13:15 | 71 |
| 2 | 0 | 9/06/2019 | 0 | 0 | DEL ? LKO ? BOM ? COK | 09:25 | 04:25 10 Jun | |
| 3 | 1 | 12/05/2019 | 1 | 1 | CCU ? NAG ? BLR | 18:05 | 23:30 | 51 |
| 4 | 1 | 01/03/2019 | 2 | 3 | BLR ? NAG ? DEL | 16:50 | 21:35 | 41 |
| | | | | | | | | |
| 10678 | 6 | 9/04/2019 | 1 | 1 | CCU ? BLR | 19:55 | 22:25 | 21 |
| 10679 | 2 | 27/04/2019 | 1 | 1 | CCU ? BLR | 20:45 | 23:20 | 21 |
| 10680 | 0 | 27/04/2019 | 2 | 2 | BLR ? DEL | 08:20 | 11:20 | |
| 10681 | 5 | 01/03/2019 | 2 | 3 | BLR ? DEL | 11:30 | 14:10 | 21 |
| 10682 | 2 | 9/05/2019 | 0 | 0 | DEL ? GOI ? BOM ? COK | 10:55 | 19:15 | 81 |



In [21]:

1 traindf

Out[21]:

| | Airline | Date_of_Journey | Source | Destination | Route | Dep_Time | Arrival_Time | Dui |
|-------|---------|-----------------|--------|-------------|--------------------------------------|----------|--------------|-----|
| 0 | 1 | 24/03/2019 | 2 | 3 | BLR ? DEL | 22:20 | 01:10 22 Mar | 21 |
| 1 | 2 | 1/05/2019 | 1 | 1 | CCU ? IXR ? BBI ? BLR | 05:50 | 13:15 | 71 |
| 2 | 0 | 9/06/2019 | 0 | 0 | DEL ? LKO ? BOM ? COK | 09:25 | 04:25 10 Jun | |
| 3 | 1 | 12/05/2019 | 1 | 1 | CCU ? NAG ? BLR | 18:05 | 23:30 | 51 |
| 4 | 1 | 01/03/2019 | 2 | 3 | BLR ? NAG ? DEL | 16:50 | 21:35 | 41 |
| | | | | | | | | |
| 10678 | 6 | 9/04/2019 | 1 | 1 | CCU ? BLR | 19:55 | 22:25 | 21 |
| 10679 | 2 | 27/04/2019 | 1 | 1 | CCU ? BLR | 20:45 | 23:20 | 21 |
| 10680 | 0 | 27/04/2019 | 2 | 2 | BLR ? DEL | 08:20 | 11:20 | |
| 10681 | 5 | 01/03/2019 | 2 | 3 | BLR ? DEL | 11:30 | 14:10 | 21 |
| 10682 | 2 | 9/05/2019 | 0 | 0 | DEL ? GOI ? BOM ? COK | 10:55 | 19:15 | 81 |



In [22]:

```
fdf=traindf[['Airline','Source','Destination','Total_Stops','Price']]
sns.heatmap(fdf.corr(),annot=True)
```

Out[22]:

<Axes: >



In [23]:

```
1 x=fdf[['Airline','Source','Destination','Total_Stops']]
2 y=fdf['Price']
```

LINEAR REGRESSION

In [24]:

```
from sklearn.model_selection import train_test_split
X_train,X_test,y_train,y_test=train_test_split(x,y,test_size=0.3,random_state=100)
```

In [25]:

```
from sklearn.linear_model import LinearRegression
regr=LinearRegression()
regr.fit(X_train,y_train)
print(regr.intercept_)
coeff_df=pd.DataFrame(regr.coef_,x.columns,columns=['coefficient'])
coeff_df
```

7211.098088897488

Out[25]:

Airline -418.483922 Source -3275.073380 Destination 2505.480291 Total_Stops 3541.798053

In [26]:

```
score=regr.score(X_test,y_test)
print(score)
```

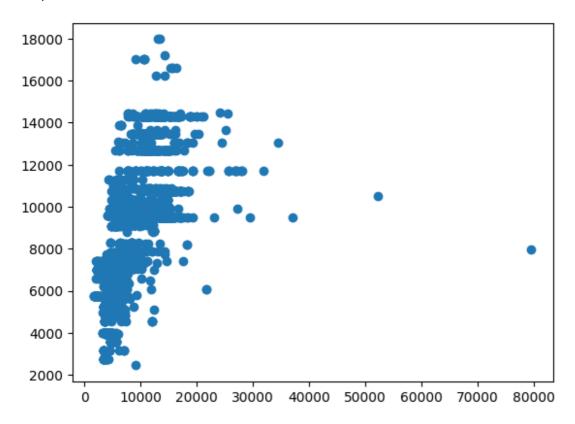
0.4108304890928348

In [27]:

```
predictions=regr.predict(X_test)
plt.scatter(y_test,predictions)
```

Out[27]:

<matplotlib.collections.PathCollection at 0x19bfe0cb710>



In [47]:

```
1 x=np.array(fdf['Price']).reshape(-1,1)
2 y=np.array(fdf['Total_Stops']).reshape(-1,1)
```

In [48]:

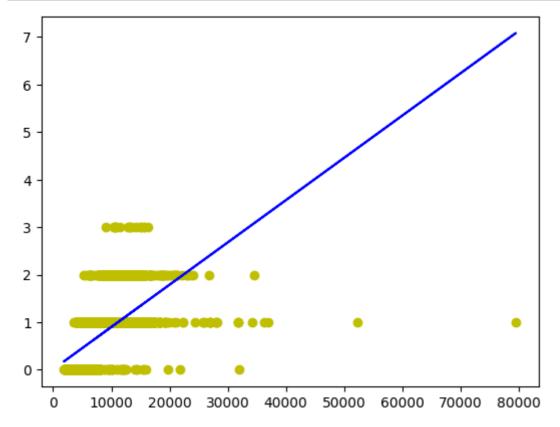
```
1 X_train,X_test,y_train,y_test=train_test_split(x,y,test_size=0.3)
2 regr.fit(X_train,y_train)
3 regr.fit(X_train,y_train)
```

Out[48]:

```
LinearRegression
LinearRegression()
```

In [49]:

```
1  y_pred=regr.predict(X_test)
2  plt.scatter(X_test,y_test,color='y')
3  plt.plot(X_test,y_pred,color='b')
4  plt.show()
```



Logistic Regression

In [53]:

```
1  x=np.array(fdf['Price']).reshape(-1,1)
2  y=np.array(fdf['Total_Stops']).reshape(-1,1)
3  x_train,x_test,y_train,y_test=train_test_split(x,y,test_size=0.3,random_state=1)
4  from sklearn.linear_model import LogisticRegression
5  lr=LogisticRegression(max_iter=10000)
```

In [55]:

```
1 lr.fit(x_train,y_train)
```

C:\Users\magam\AppData\Local\Programs\Python\Python311\Lib\site-package
s\sklearn\utils\validation.py:1143: DataConversionWarning: A column-vec
tor y was passed when a 1d array was expected. Please change the shape
of y to (n_samples,), for example using ravel().
 y = column or 1d(y, warn=True)

Out[55]:

```
LogisticRegression
LogisticRegression(max_iter=10000)
```

In [56]:

```
score=lr.score(x_test,y_test)
print(score)
```

0.7160686427457098

In [57]:

```
1 sns.regplot(x=x,y=y,data=fdf,logistic=True,ci=None)
```

C:\Users\magam\AppData\Local\Programs\Python\Python311\Lib\site-pa
ckages\statsmodels\genmod\families\links.py:198: RuntimeWarning: o
verflow encountered in exp

```
t = np.exp(-z)
```

Out[57]:

<Axes: >



Decision Tree

```
In [35]:
```

```
from sklearn.tree import DecisionTreeClassifier
clf=DecisionTreeClassifier(random_state=0)
clf.fit(x_train,y_train)
```

Out[35]:

```
DecisionTreeClassifier
DecisionTreeClassifier(random_state=0)
```

In [58]:

```
score=clf.score(x_test,y_test)
print(score)
```

0.9369734789391576

Random Classifier

In [37]:

```
from sklearn.ensemble import RandomForestClassifier
rfc=RandomForestClassifier()
rfc.fit(X_train,y_train)
```

C:\Users\magam\AppData\Local\Temp\ipykernel_17416\4104924521.py:3: Data ConversionWarning: A column-vector y was passed when a 1d array was expected. Please change the shape of y to (n_samples,), for example using ravel().

rfc.fit(X_train,y_train)

Out[37]:

```
RandomForestClassifier
RandomForestClassifier()
```

In [38]:

```
params={'max_depth':[2,3,5,10,20],
    'min_samples_leaf':[5,10,20,50,100,200],
    'n_estimators':[10,25,30,50,100,200]}
```

In [39]:

```
from sklearn.model_selection import GridSearchCV
grid_search=GridSearchCV(estimator=rfc,param_grid=params,cv=2,scoring="accuracy")
```

In [40]:

```
grid_search.fit(X_train,y_train)
```

ckages\sklearn\model_selection_validation.py:686: DataConversionW arning: A column-vector y was passed when a 1d array was expected. Please change the shape of y to (n_samples,), for example using ra vel().

estimator.fit(X_train, y_train, **fit_params)

C:\Users\magam\AppData\Local\Programs\Python\Python311\Lib\site-pa ckages\sklearn\model_selection_validation.py:686: DataConversionW arning: A column-vector y was passed when a 1d array was expected. Please change the shape of y to (n_samples,), for example using ra vel().

estimator.fit(X_train, y_train, **fit_params)

C:\Users\magam\AppData\Local\Programs\Python\Python311\Lib\site-pa ckages\sklearn\model_selection_validation.py:686: DataConversionW arning: A column-vector y was passed when a 1d array was expected. Please change the shape of y to (n_samples,), for example using ra vel().

estimator.fit(X_train, y_train, **fit_params)

C:\Users\magam\AppData\Local\Programs\Python\Python311\Lib\site-packages\sklearn\model_selection_validation.py:686: DataConversionWarning: A column-vector v was passed when a 1d array was expected.

In [41]:

```
1 grid_search.best_score_
```

Out[41]:

0.523605715699528

In [42]:

```
1 rf_best=grid_search.best_estimator_
2 rf_best
```

Out[42]:

| ▼ RandomFore | stClassifier |
|---|------------------------------------|
| <pre>RandomForestClassifier(max_depth=2, =10)</pre> | min_samples_leaf=100, n_estimators |

In [43]:

```
from sklearn.tree import plot_tree
plt.figure(figsize=(80,40))
plot_tree(rf_best.estimators_[4],class_names=['0','1','2','3','4'],filled=True);
```

```
x[0] \le 18201.5

gini = 0.603

samples = 4725

value = [2515, 3829, 1096, 34, 3]

class = 1
```

```
x[0] \le 12686.5

gini = 0.602

samples = 4621

value = [2453, 3762, 1062, 34, 3]

class = 1
```

```
\begin{array}{c} \text{gini} = 0.643 \\ \text{samples} = 104 \\ \text{value} = [62, 67, 34, 0, 0] \\ \text{class} = 1 \end{array}
```

```
gini = 0.607
samples = 3634
value = [1960, 2907, 860, 31, 0]
class = 1
```

```
gini = 0.581
samples = 987
value = [493, 855, 202, 3, 3]
class = 1
```

In [44]:

```
score=rfc.score(x_test,y_test)
print(score)
```

0.4608424336973479

Conclusion

- I analysed the data with LinearRegression, logisticRegression, DecissionTree, RandomForest models.
- 2 I get 41% for Linear , 71% for Logistic , 93% for DecissionTree and 46% for Randomforest.
- 3 so, I conclude that DecissionTree model is the bestfit model of remaining.