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import pandas as pd
import numpy as np
from sklearn.feature_selection import SelectKBest
from sklearn.feature_selection import chi2

data = pd.read_csv("train.csv")
X = data.iloc[:,0:20] #independent columns
Y = data.iloc[:,-1] #traget column i.e price range

#apply SelectKBest class to extract top 8 best features
bestfeatures = SelectKBest(score_func=chi2, k=8)
fit = bestfeatures.fit(X,Y)

dfscores = pd.DataFrame(fit.scores_)
dfcolumns = pd.DataFrame(X.columns)

#concat two dataframes for better visulization
featureScores = pd.concat([dfcolumns,dfscores],axis=1)
featureScores.columns = ['Specs','Score'] #naming the dataframe columns

featureScores

   Specs      Score
0  battery_power  14129.866576
1      blue      0.723232
2  clock_speed   0.648366
3   dual_sim     0.631011
4      fc      10.135166
5   four_g      1.521572
6  int_memory   89.839124
7      m_dep     0.745820
8  mobile_wt   95.972863
9   n_cores     9.097556
10      pc      9.186054
11  px_height  17363.569536
12  px_width   9810.586750
13      ram  931267.519053
14      sc_h     9.614878
15      sc_w    16.480319
16  talk_time   13.236400
17   three_g     0.327643
18 touch_screen   1.928429
19      wifi     0.422091

print(featureScores.nlargest(8,'Score')) #print 8 best featureas

   Specs      Score
13      ram  931267.519053
11  px_height  17363.569536
0  battery_power  14129.866576
12  px_width   9810.586750

```

8	mobile_wt	95.972863
6	int_memory	89.839124
15	sc_w	16.480319
16	talk_time	13.236400