KNN

Code:

```
import numpy as np
import matplotlib.pyplot as plt
import pandas as pd
from sklearn.preprocessing import LabelEncoder
label = LabelEncoder()
df = pd.read_csv('Iris.csv')
df['variety'] = label.fit_transform(df['variety'])
X = df.iloc[:, [1,2,3,4]].values
y = df.iloc[:, -1].values

from sklearn.model_selection import train_test_split
X_train, X_test, y_train, y_test = train_test_split(X, y, test_size = 0
.30, random_state = 0)
from sklearn.neighbors import KNeighborsClassifier
classifier = KNeighborsClassifier(n_neighbors = 3, metric = 'minkowski'
, p = 2)
classifier.fit(X_train, y_train)
y_pred = classifier.predict(X_test)
from sklearn.metrics import mean_squared_error
print(mean_squared_error(y_test,y_pred))
```