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# -*- coding: utf-8 -*-
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import numpy as np
import matplotlib.pyplot as plt
import pandas as pd
dataset = pd.read csv(r"C:\Users\ttwrd\Downloads\emp sal.csv")
x=dataset.iloc[:,1:2].values
y=dataset.iloc[:,2].values
from sklearn.linear model import LinearRegression
regressor = LinearRegression()
regressor.fit(x,y)
#plt.scatter(x,y,color='red')
#plt.plot(x,regressor.predict(x),color='blue')
#plt.xlabel("position level")
#plt.ylabel('salary')
#plt.show()
lin_pred=regressor.predict([[6.5]])
print(lin pred)
from sklearn.preprocessing
                             import PolynomialFeatures
#poly_reg=PolynomialFeatures()
poly_reg=PolynomialFeatures(degree=5)# degree 5 gives accurate prediction
#poly_reg=PolynomialFeatures(degree=3)
x poly=poly reg.fit transform(x)
poly_reg.fit(x_poly,y)
lin_reg2=LinearRegression()
lin_reg2.fit(x_poly,y)
plt.scatter(x,y,color='red')
plt.plot(x,lin reg2.predict(poly reg.fit transform(x)),color='blue')
poly model pred=lin reg2.predict(poly reg.fit transform([[6.5]]))
print(poly_model_pred)
```