#Predicting House Prices#

Data Source:
The data for this project was obtained from a real estate agency and contains informati

```python
import pandas as pd
csv_url = 'https://raw.githubusercontent.com/your_username/your_repository/main/house_p
data = pd.read_csv(csv_url)
print(data.head())
print(data.info())
print(data.describe())
import matplotlib.pyplot as plt
import seaborn as sns
sns.scatterplot(x='square_footage', y='sale_price', data=data)
plt.title('House Prices vs. Square Footage')
plt.xlabel('Square Footage')
plt.ylabel('Sale Price')
plt.show()
X = data.drop('sale_price', axis=1)
y = data['sale_price']
from sklearn.model_selection import train_test_split
X_train, X_test, y_train, y_test = train_test_split(X, y, test_size=0.2, random_state=4
from sklearn.linear_model import LinearRegression
model = LinearRegression()
model.fit(X_train, y_train)
from sklearn.metrics import mean_squared_error, r2_score
y_pred = model.predict(X_test)
mse = mean_squared_error(y_test, y_pred)
r2 = r2_score(y_test, y_pred)

print(f"Mean Squared Error: {mse}")
print(f"R-squared: {r2}")
new_predictions = model.predict(new_data)
```