```
import pandas as pd
import matplotlib.pyplot as plt
from sklearn.model_selection import train_test_split
from sklearn.preprocessing import StandardScaler
from sklearn.linear_model import LogisticRegression
from sklearn.metrics import confusion_matrix,
classification_report,accuracy_score

df = pd.read_csv('/content/drive/MyDrive/car_prices_dataset.csv')

print(df.head())
```

```
   Age (years)  Mileage (miles)  Price (dollars)
0            1            10000            20000
1            2            25000            18000
2            3            35000            15000
3            4            50000            13000
4            5            60000            10000
```

```
X = df[['Age (years)', 'Mileage (miles)']]  # Remove the extra ')'
y = df['Price (dollars)']

X_train, X_test, y_train, y_test = train_test_split(X, y,
test_size=0.2, random_state=42)

from sklearn.linear_model import LinearRegression  # Import
LinearRegression

model = LinearRegression()
model.fit(X_train, y_train)
```

```
LinearRegression()
```

```
y_pred = model.predict(X_test)

from sklearn.metrics import mean_squared_error, r2_score # Import
necessary functions

mse = mean_squared_error(y_test, y_pred)
r2 = r2_score(y_test, y_pred)

print(f'Mean Squared Error: {mse}')
print(f'R^2 Score: {r2}')
```

```
Mean Squared Error: 409651.9829651249
R^2 Score: 0.9916397554496913
```

```
new_car = [[5, 50000]]
predicted_price = model.predict(new_car)
print(f'Predicted Selling Price: ${predicted_price[0]:,.2f}')
```

```
Predicted Selling Price: $9,591.63
```

```
/usr/local/lib/python3.10/dist-packages/sklearn/base.py:439:
UserWarning: X does not have valid feature names, but LinearRegression
was fitted with feature names
  warnings.warn(
```