

## Streamlit\KNN\_regression\_car\_sale.py

```
1 import streamlit as st
2 import pickle
3 import numpy as np
4
5 with open('C:\\Users\\Jan Saida\\knn_model.pkl','rb') as file:
6     model=pickle.load(file)
7
8 with open('C:\\Users\\Jan Saida\\knn_scaler.pkl','rb') as file:
9     scaler=pickle.load(file)
10
11 st.title('Car Purchase Prediction Using K-Nearest-Neighbor')
12 st.write('Predict Whether a Customer will purchase a car or not:')
13
14 age=st.number_input('Enter Age of the customer:',min_value=20,max_value=100,step=1)
15 estimated_salary=st.number_input('Enter Estimated Salary of the Customer:',min_value=0,step=1000)
16
17 if st.button('Predict'):
18     input_data=np.array([[age,estimated_salary]])
19     input_data_scaled=scaler.transform(input_data)
20
21     predict=model.predict(input_data_scaled)
22
23     if predict[0] == 1:
24         st.success(f"The customer is likely to purchase the car")
25     else:
26         st.error(f"The customer is unlikely to purchase the car")
```