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 1 import streamlit as st
 2 import pandas as pd
 3 import numpy as np
 4 import altair as alt
 5 import pydeck as pdk
 6 import datetime
 7 import pickle
 8
 9
10
11 def load_data():
12     with open('data.pkl', 'rb') as f:
13         data = pickle.load(f)
14     return data
15 data = load_data()
16
17
18 data['POOL'] = np.where(data['POOL'] == 1,'Y','N')
19 data['HOA'] = np.where(data['HOA'] == 1,'Y','N')
20 data = data[['ZIPCODE','PRICE','BEDS','BATHS','SQFT',
   'LOTSIZE','YEARBUILT','POOL','HOA','RATE']]
21 data['ZIPCODE']=data['ZIPCODE'].astype('int64')
22 data['YEARBUILT']=data['YEARBUILT'].astype('int64')
23 data['SQFT']=data['SQFT'].astype('int64')
24 data['LOTSIZE']=data['LOTSIZE'].astype('int64')
25 data['BEDS']=data['BEDS'].astype('int32')
26
27 def show_page3():
28     st.markdown('<h2 style = "text-align: center;">
   Statistics of Home Sales</div>', unsafe_allow_html=
   True)
29
30     st.header('Median statistics based on ZipCode,
   Pool and HOA')
31     statistics = data.groupby(['ZIPCODE','POOL','HOA'
   ]).median('PRICE')
32     #statistics = statistics.reset_index(inplace=True
   )
33     statistics = statistics.rename_axis(index=['
   ZIPCODE','POOL','HOA'])
34     st.dataframe(statistics)
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