```
 1 import streamlit as st
 2 import pandas as pd
 3 import numpy as np
 4 import pickle
 5 import pydeck as pdk
 6
 7 def load_data():
 8     with open('data.pkl', 'rb') as f:
 9         data = pickle.load(f)
10     return data
11
12 data = load_data()
13
14 df = data[['LATITUDE','LONGITUDE']]
15 df = df.rename(columns = {'LATITUDE':'lat'})
16 df = df.rename(columns = {'LONGITUDE':'lon'})
17
18 def show_page1():
19     st.markdown('<h3 style = "text-align: center;">
   Data points used to create the prediction model</div
   >', unsafe_allow_html=True)
20
21
22     st.pydeck_chart(pdk.Deck(
23         map_style=None,
24         initial_view_state=pdk.ViewState(
25             latitude=33.44,
26             longitude=-112.07,
27             zoom=8.5,
28             pitch=0,
29         ),
30         layers = [
31             pdk.Layer(
32                 'ScatterplotLayer',
33                 data=df,
34                 get_position='[lon, lat]',
35                 get_color='[200, 30, 0, 160]',
36                 get_radius=200,
37             ),
38         ],
39     ))
```

```
40      st.markdown('<h6 style = "text-align: center;">
    Data points represent 1 year of sold houses below
    $500,000</div>',unsafe_allow_html=True)
```