

plotly_maps

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```
[1]: import plotly.express as px
import pandas as pd
import os
from pathlib import Path
from dotenv import load_dotenv
```

0.0.1 Prep Token

```
[2]: # Read the Mapbox API key
load_dotenv()
map_box_api = os.getenv("mapbox")

# Set the Mapbox API
px.set_mapbox_access_token(map_box_api)
```

0.0.2 Prep Data

```
[3]: # Read in data
df = pd.read_csv(Path("../Resources/population_counts.csv")).drop_duplicates()
data_to_plot = df[["Year", "PopulationCount", "Latitude", "Longitude"]]
filtered_data = df[df["StateDesc"] == "California"]
```

0.0.3 Plot data

```
[4]: # Plot Data
map = px.scatter_mapbox(
    filtered_data,
    lat="Latitude",
    lon="Longitude",
    size="PopulationCount",
    color="CityName",
    zoom=4
)

# Display the map
map.show()
```

