cartographers_expedition

May 20, 2020

1 A Cartographers Expedition

Harold wants to have a no-cellphones birthday weekend. This means you have to come up with some way to vet out what locations everyone wants to hit up whie in NYC and plot the routes to each location. Harold wants to usually a regular map, but you have something better: Plotly Express Mapbox map plots!

Don your cartographers hat and create map plots that will pinpoint the location of the places you'll be visiting. Use this as the map/intinerary for Harold's birthday expedition.

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

1.0.1 Prep Mapbox API Key

```
[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)
```

1.0.2 Prep Data

```
[3]: # Read in data
places_of_interest = pd.read_csv(Path('../Resources/harold_bday_plans.csv')).

→dropna()
```

1.0.3 Route 1



1.0.4 Route 2



1.0.5 Route 3



1.0.6 All Stops

```
)
]
all_stops= px.scatter_mapbox(all_stops, lat="Latitude", lon="Longitude", u
⇔color="Name")
all_stops.show()
```



- Madison Square
- Astoria Park
- Aqueduct Race Track

- Juniper Valley Park
 Fort Totten
 John F. Kennedy International Airport