Warfle charts :-Awaffle chart is an interesting visualization that is mormally created to display progress toward goals. matplotlib doesn't have a built-in function to create walfle charts. word clouds :- A word cloud is a depiction E of the frequency of different words in some textual data.

a source of textual dala bigger ad bolder it appears in the world cloud.

-> Andre Muelles word cloud generator

Seabord and Regression Plot.

→ Seaborn is a Python visualization library based on Matplotlib

Regression Plots df-total -total year import seaborn as sns ax = sns. regplot (x= year) y = 'total', data = df_tot) can change -> colour -> marker

Pywaffle > True

* Introduction to folium?

1

-

3

> Folium is a powerful python library that helps you create several types of leaflet maps.

python -> geostatical data

It enables both the binding of data to a map for choropleth visualizations as well as passing visualizations as markers on the

The library has a no. of built-in tilesets from openStreet map, mapbox, and stamen, and support custom tileset with mapbox API Keys

A-1, , 2 | 1 = creating a World Map: -# define the world map world_map = folium = map () # display world map world map the maps created by python are interactive default map style = open street map which shows boarder of all countries latitude ay longitude * Creating maps' of Canada:world_map= rolium. Map (Location=[56.180, -106.35] zoom_slart = 4) leasily change # display world map zoom level ! world-map * Map styles - Stamen Toner tieles = stamen Ioner' Stamen toner map of canada -> great visualization and . . for costed 20ne Map styles - stamen Terrain T tiles = stamen Terrain' hills shading and natural vegetation colors.

```
maps with markers
To place marker at particular group
-> Feature group
  ontario = folium map. Feature group ()
                                  Empty
   ontario · add- child (
        folium feature circle Marker E
          (51.25, -85.32), radius=5,
          colour = red , fill-color = Red'
  canada-mapadd-child (ontario)
 -> popup parameter to add text
  Choropleth Maps
  higher measurement -> darker color
  geojson tile
  -> to define boarders and boundary
```

*

C