SWINBURNE UNIVERSITY OF TECHNOLOGY

COS30045

PROJECT STAND-UP 3

NAME & STUDENTID : **Nguyen Gia Binh (104219428)**

Nguyen Quang Dao - 104211864

CLASS : **COS30045**

LECTURER : **HOANG XUAN TUNG**

(txhoang@swin.edu.au**)**

TUTOR : **HOANG XUAN TUNG**

(txhoang@swin.edu.au**)**

Hanoi, March 17, 2024

TABLE OF CONTENTS

TABLE OF CONTENTS

CHAPTER 1: INTRODUCTION

CHAPTER 2: CONTRIBUTION ESTIMATION

2.1: Finding the dataset

2.2: Designing the visualization

2.3: Writing/Researching code

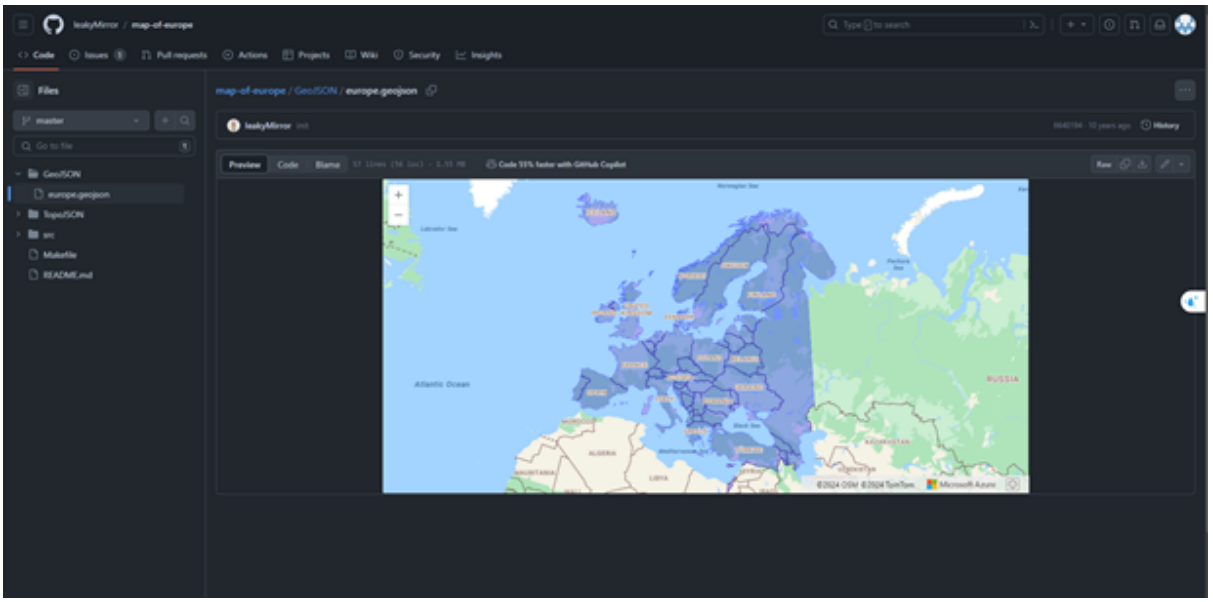
Chapter 1: INTRODUCTION

Since the last stand-up we have made significant changes to our project to make sure we follow the teaching staff guidance. Before our designs were very incoherent and frankly didnt answer many question regarding the topic we chose. After some meeting, we decide to abandon the Palestine vs Isarael conflict and mainly focus on Ukraine Migration since 2021. We intend to have 3 or 4 simple but need to be effective charts in total.

Chapter 2: CONTRIBUTION ESTIMATION

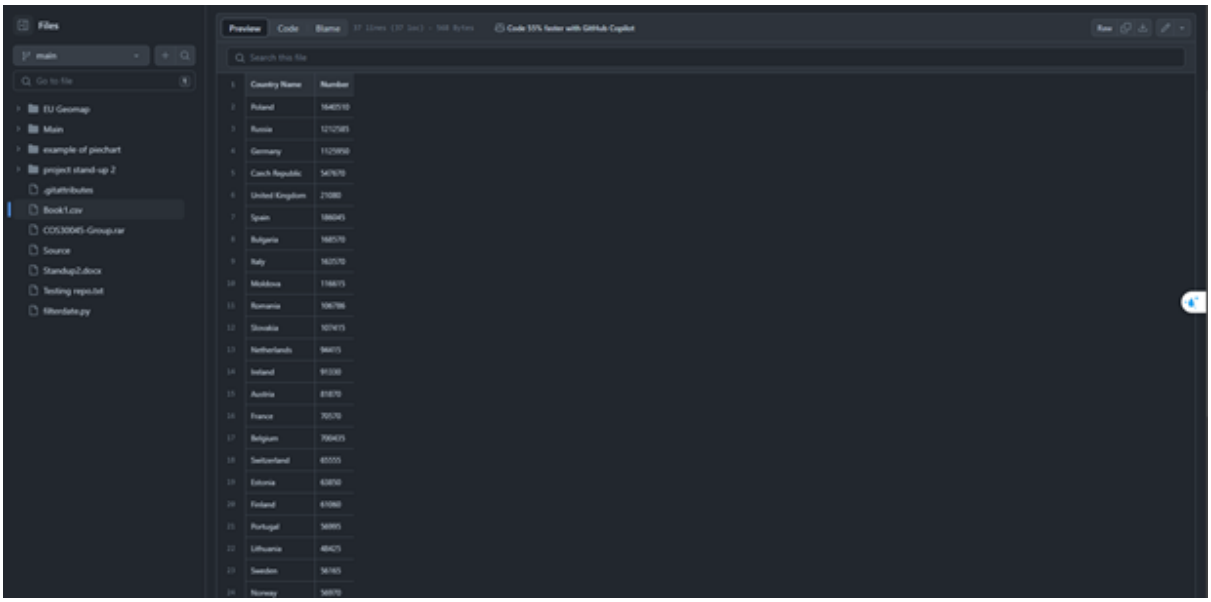
2.1: Finding the dataset

I found this map from git hub, and I downloaded it. I have run this map in my computer.



While Dao focus on his geomap, i will do a line chart and bar chart first and foremost, the line chart is a collection of migration through out the year and finalize into monthly record. My source are from Europestat, UNHCR and government database: this is the two link available https://ec.europa.eu/eurostat/web/ukraine/population-migration and https://data.unhcr.org/en/situations/ukraine

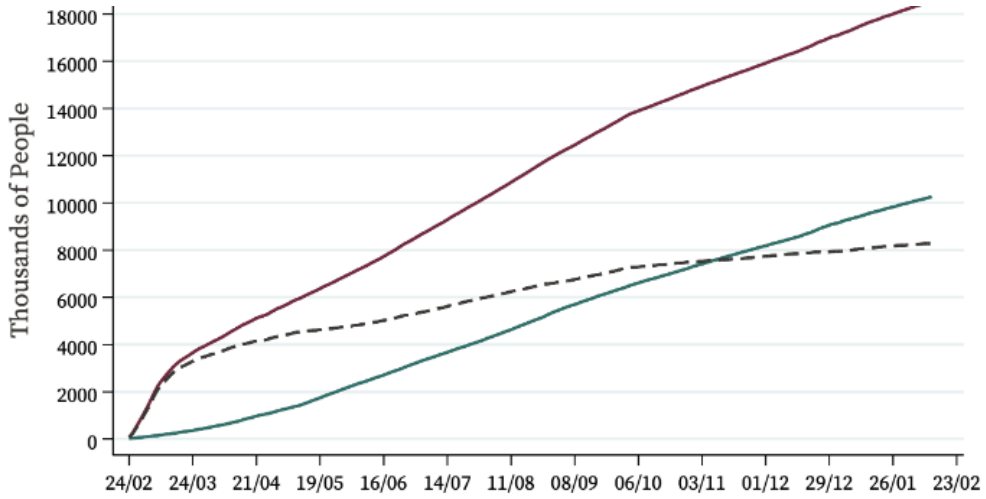
2.2: Designing the visualization



Here is a Europe map, I will demonstrate the migration of Ukraine to Europe in 2023 via this map. I did not finish it and I will show you the overview that I intend to do on this map. Firstly, I have a dataset about the number of Ukrainian refugees in EU and I will separate this figure to 4 level of migration then the color of each country will be based on the level of number. Secondly, I will try to do some animation for my map to make it interesting. For example, When viewer hover in each country, it will show the number of Ukrainian refugee in this country.

Additionally, Binh will code out a horizontal bar chart and most importantly a line chart to show ukraine net migration by month. The horizontal bar chart is for showing exactly at what percentage does each country in EU have UKraine refugee or people form ukraine migrated

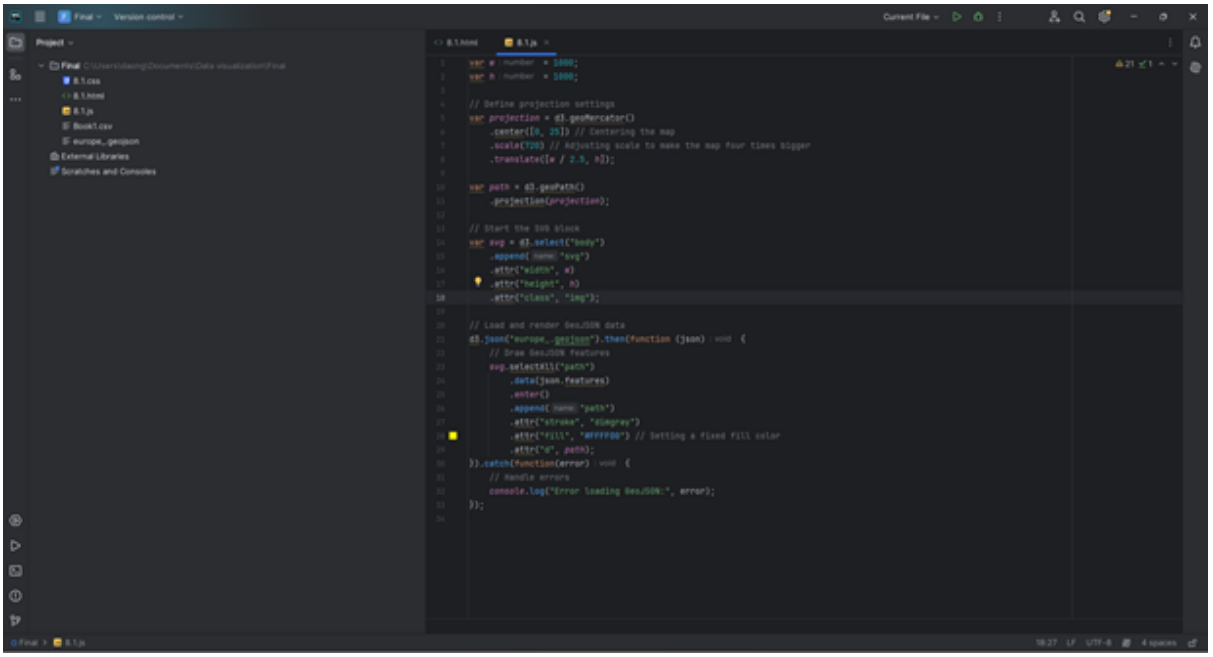
over by all source. Next is the line chart which show ukraine migration by the month to analyze how the trend has change over the past few year especially since the invasion form Russia. Right now the line chart is not ready to be shown but here is an example of how it would look alike



The horizontal bar chart may not have interactable features but the line chart should be able to show data point on the line as well as opacity effect to highlight the section chosen by the user.

2.3: Writing/Researching code

Different from the last stand-up we wont have multiple pages front end anymore and instead it is limit to only one continuous page. First chart to start our presentation would be the geomap and then the horizontal chart beside it and finally the line chart below, this wont be a continuous show case though but there will be short story telling in order for us to guide the viewer through the visualizaion



This code only shows you how can I make the EU map by using d3.js and also the Europe_.geojson. I just used some function to custom my map looks well. Therefore, I will try to learn more code to make my work look better for the final result of this subject.