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Mercury Link:

migration - opportunity

Migration

Table of  
Contents

Introduction 1

1.1 background and motivation 1

1.2 Visualisation purpose 1

1.3 Project Schedule 1

data 2

2.1 Data source 2

2.2 data processing 2

Requirements 3

visualisation design 4

Validation 5

conclusion 6

references 7

# Introduction

## background and motivation

Migration recently becoming a hot topic and recent topic since the conflict between the superpowers of the World. Due to the influence of conflict escalation, the financial crisis and food security concerns threaten people living in the countries near the conflict. So, many people chose to move to other countries that help them have better living conditions and opportunities.

BACKGROUND

- Briefly introduce the topic of Migration

- How does migration happen all around the World? (Mention the migration that has been made all around the world [Reference])(patterns of migration)

- What elements contributed to Global Migration? What makes people move out of their hometown? (Give a short description and generalise the reasons for migration)

+ Opportunities (Working or studying)

+ A safe place to live

Conflict (avoid the impact of conflict between Russia and Ukraine)

Disease (Avoid the spread of Covid 19)

## 1.2 Visualisation purpose

## 1.3 Project Schedule

* Week 2: Start working on the project. Summarize the project objectives and create a GitHub repository for group work.
* Week 3-4: Work on the project.
  + Prepare the appearance of the project process book.
  + Add some content with a focus on motivation and background (introduction).
  + Set up the website with some function or label, focusing on using HTML.
  + Plan the type of geometric that will be added to the project for data presentation.
* Week 5-7: Focus on data research and analysis.
  + Conduct research for needed data as discussed in Week 3.
  + Process data and convert it to charts using D3 for data presentation.
  + Provide details on data cleaning and acquisition for the workbook.
* Week 8: Finish working on the website.
  + Add suitable functions to present data properly.
  + Add some CSS effects to make the website look better.
  + Add JS for converting data using D3.
  + Check with the tutor.
* Week 9: Finalize the project process book.
  + Complete the content.
  + Add references.
  + Fix any grammar and spelling mistakes.
* Week 10-12: Finalize the project.
  + Receive feedback from the tutor to fix all issues.
  + Submit the final project.

# data

## 2.1 Data source (Here is just a possible data that could be found)

Our data sources include the World Bank, United Nations, and the International Organization for Migration. We might have to collected data on migration patterns, reasons for migration, opportunities driving migration, and survival needs impacting migration.

## 2.2 data processing

# Requirements

## 3.1 Must have features (Here are some possible that I could think of at the moment)

- Interactive visualization with zoom and filter functionality

- Clear and easy to read visualization design

- Accurate representation of data

## 3.1 Optional features (here are some possible that I could think of at the moment)

- Heat maps to show migration patterns

- Animated transition between visuals

- Interactive legend to toggle visualization layers

# visualisation design

# Validation

# conclusion

# references

Here are some possible at the moment:

World Bank:

Reference list entry: World Bank. Data. Retrieved from <https://data.worldbank.org/>

United Nations:

Reference list entry: United Nations. Retrieved from <https://www.un.org/sustainabledevelopment/>

International Organization for Migration:

Reference list entry: International Organization for Migration. Migration data portal. Retrieved from <https://migrationdataportal.org/>