

SWINBURNE UNIVERSITY OF TECHNOLOGY

COS30045

PROJECT STAND-UP 2

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)

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CHAPTER 1: INTRODUCTION

Since the last project stand-up we have finalize on some of our data into a single csv including many element like date, event_name, the coordinate of the event and many more. We also done some data processing though not too significant as it is not working probably. We also have a simple front-end to lead to out visualisation. Finally, we have made 2 demo purposes chart which is a geomap and a pie chart.

CHAPTER 2: CONTRIBUTION ESTIMATION

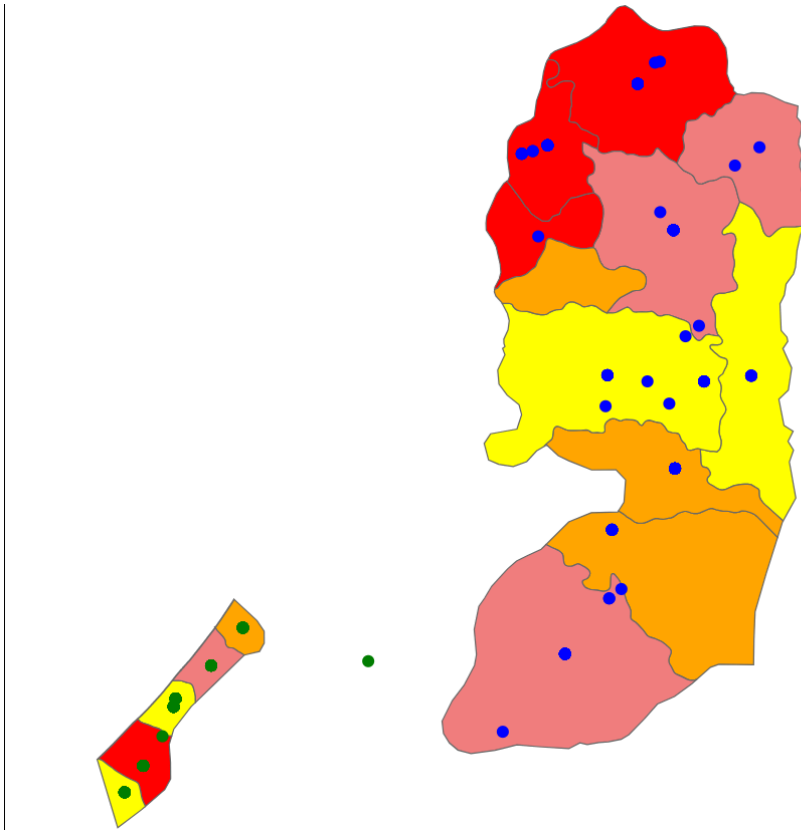
2.1: Finding the dataset

The current partially complete dataset we have is of the displacement within Palestine territory from all source published by IDMC on <https://data.humdata.org/group/pse>. Here an example:

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
1	id	country	iso3	latitude	longitude	centroid	role	displacem	qualifier	figure	displacem	displacem	displacem	year	event_name
2		#country+	#country+	#geo+lat	#geo+lon			#event+di	#total	#affected+	#date+disj	#date+disj	#date+disj	#date+yea	#event+name
3	141747	Palestine	PSE	31.4941	34.74382	[31.49410	Recommen	Conflict	approxim	75	#####	#####	#####	2024	Palestine: Unknown (IAC) (Hostilities Gaza/Israel) - Gaza
4	140857	Palestine	PSE	31.95613	35.47105	[31.95612	Recommen	Conflict	total	7	#####	#####	#####	2024	Palestine: International armed conflict (IAC) (Demolition
5	140849	Palestine	PSE	31.70712	35.20659	[31.70712	Recommen	Conflict	total	16	#####	#####	#####	2024	Palestine: International armed conflict (IAC) (Demolition
6	141143	Palestine	PSE	31.80606	35.32612	[31.80606	Recommen	Conflict	total	4	#####	#####	#####	2024	Palestine: International armed conflict (IAC) (Demolition
7	140858	Palestine	PSE	31.80606	35.32612	[31.80606	Recommen	Conflict	total	23	#####	#####	#####	2024	Palestine: International armed conflict (IAC) (Demolition
8	140848	Palestine	PSE	31.70712	35.20659	[31.70712	Recommen	Conflict	total	6	#####	#####	#####	2024	Palestine: International armed conflict (IAC) (Demolition
9	140859	Palestine	PSE	31.80606	35.32612	[31.80606	Recommen	Conflict	total	2	#####	#####	#####	2024	Palestine: International armed conflict (IAC) (Demolition
10	140765	Palestine	PSE	31.95697	35.19796	[31.95697	Recommen	Conflict	total	6	#####	#####	#####	2024	Palestine: Communal violence (Coercive Environment) -
11	140851	Palestine	PSE	31.70712	35.20659	[31.70712	Recommen	Conflict	total	17	#####	#####	#####	2024	Palestine: International armed conflict (IAC) (Demolition
12	141142	Palestine	PSE	31.80606	35.32612	[31.80606	Recommen	Conflict	total	5	#####	#####	#####	2024	Palestine: International armed conflict (IAC) (Demolition
13	140853	Palestine	PSE	31.80606	35.32612	[31.80606	Recommen	Conflict	total	2	#####	#####	#####	2024	Palestine: International armed conflict (IAC) (Demolition
14	140856	Palestine	PSE	31.80606	35.32612	[31.80606	Recommen	Conflict	total	11	#####	#####	#####	2024	Palestine: International armed conflict (IAC) (Demolition
15	141136	Palestine	PSE	32.42618	35.25536	[32.42618	Recommen	Conflict	total	6	#####	#####	#####	2024	Palestine: International armed conflict (IAC) (Demolition
16	140766	Palestine	PSE	31.61102	35.22443	[31.61101	Recommen	Conflict	total	7	#####	#####	#####	2024	Palestine: Communal violence (Coercive Environment) -
17	140860	Palestine	PSE	31.70712	35.20659	[31.70712	Recommen	Conflict	total	1	#####	#####	#####	2024	Palestine: International armed conflict (IAC) (Demolition
18	141137	Palestine	PSE	32.42618	35.25536	[32.42618	Recommen	Conflict	total	27	#####	#####	#####	2024	Palestine: International armed conflict (IAC) (Demolition
19	140854	Palestine	PSE	31.80606	35.32612	[31.80606	Recommen	Conflict	total	5	#####	#####	#####	2024	Palestine: International armed conflict (IAC) (Demolition
20	141141	Palestine	PSE	31.50595	35.11739	[31.50595	Recommen	Conflict	total	7	2/8/2024	2/8/2024	2/8/2024	2024	Palestine: International armed conflict (IAC) (Demolition
21	141135	Palestine	PSE	32.32746	35.08426	[32.32746	Recommen	Conflict	total	35	2/7/2024	2/7/2024	2/7/2024	2024	Palestine: International armed conflict (IAC) (Demolition
22	140850	Palestine	PSE	31.95613	35.47105	[31.95612	Recommen	Conflict	total	2	2/6/2024	2/6/2024	2/6/2024	2024	Palestine: International armed conflict (IAC) (Demolition
23	140855	Palestine	PSE	31.80606	35.32612	[31.80606	Recommen	Conflict	total	1	2/6/2024	2/6/2024	2/6/2024	2024	Palestine: International armed conflict (IAC) (Demolition
24	140852	Palestine	PSE	31.50595	35.11739	[31.50595	Recommen	Conflict	total	2	2/6/2024	2/6/2024	2/6/2024	2024	Palestine: International armed conflict (IAC) (Demolition

2.2: Designing the visualization

Binh is creating 2 chart one is a geomap and the other is a pie chart. Though the 2 chart is not complete but the overall shape is there. The geomap is the palestine map with circle at coordinate of the event that happen:



The pie chart is made to show what percentage does a particular event affect the data, it is currently not working probably because the data processing code is not working as intended



2.3: Process book

The current version of the process book is include in the submit but to sum up data source for the conflict between Isarael and Gaza is mainly taken from HDX and map are mainly from <https://cartographyvectors.com/>. Data is processed but not complete and we made two demo as shown in the section above.

2.4: Writing/Researching code

Right now all the available code is a part of Binh contribution. First is the index page, this page is a gateway to get to other html page that show their own visualization to deal with a certain question of immigration/displacement. Next is the code for the 2 chart, the pie chart takes in data from a csv file then count how many instance of a string in the event_name column. This done to show to what percentage does an event happen that affect the dataset overall. The next visualization is a geomap of Palestine with circle to show in which part of the country did this event happen to create displacement. In the future the map need to change it color palette which hover on effect to show the detail of that location.

CHAPTER3: TO-DO LIST

▼ ☐ Dao 0/5

☐ Data set
just research and find some data on google. Complete before next stand up

☐ Visualization
Just start doing visualization code

☐ Front end
Use html and css to change the old web to a new web that match with this subject

☐ Process book
Already know about the overview and start writting

☐ Report
Finish the report and try to add to the website

▼ ☐ Binh 0/5

☐ Front end
Do some thing to change old website to a new website

☐ Data set
Already have a data set but it is not perfect

☐ Process book
Already finish table of content and the first 2 content so finish all for next project stand up

☐ Visualization
Finish some visualization and try to do it better

☐ Report
Finished

CHAPTER 4: DISCUSSION

any issues with teamwork.

The time does not match with each other because we have a lot of things to do so our meeting is only about an hour and that is why we can not discuss our project deeper. Finally, I think we are a good team so we do not meet any problems at the moment.