

Project 3 Proposal

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Topic: Anti-Civilian Violence

Choose three geographical spaces - Timeframe (2021 - present)

- Focus on current anti-civilian violence in Ukraine combining markers with our data
- Regional focus on anti-civilian violence in Europe
- Global level using heat maps to show different types of global conflicts

Rationale

Our data directly correlates with recent reports from BBC News and other outlets of 15,000 suspected war crimes as a result of violence against civilians in Ukraine, with 200 to 300 reported daily (BBC, 2022).

The Ukraine conflict is at the forefront of world news at the moment, it piqued our interest and made us question the different levels of violence occurring in Ukraine, regionally and around the world.

Data Source: ACLED API

- The Armed Conflict Location & Event Data Project (ACLED)
<https://acleddata.com/data-export-tool/>
- ACLED is a disaggregated data collection, analysis, and crisis mapping project. As a non-profit organisation they collect the dates, actors, locations, fatalities, and types of all reported political violence and protest events around the world.
- We will be using an API, however, below is a snapshot of the data in csv format

D	E	F	G	H	I	J	K	L	M	N	O	P	
event_id	event_date	year	time_pi	event_type	sub_event_type1	actor1	assoc_1	inter1	actor2	assoc_actor_2	inter2	interaction	region
75367	17-Jun-22	2022	1	Violence against civilians	Attack	Baloch Separatists (P	2	Civilians (Pakistan)	Labour Group (Pakistan)		7		27 South Asi
112893	17-Jun-22	2022	1	Violence against civilians	Attack	Kashmir Rebels (Indi	2	Civilians (India)	Police Forces of India (2014-)		7		27 South Asi
14454	17-Jun-22	2022	1	Violence against civilians	Attack	Police Forces of the F	1	Civilians (Philippines)	Drug Suspects (Philippines)		7		17 Southeast
15506	17-Jun-22	2022	1	Violence against civilians	Attack	Military Forces of Isr	8	Civilians (Palestine)	Fishermen (Palestine)		7		78 Middle Ea
15508	17-Jun-22	2022	1	Violence against civilians	Attack	Military Forces of Isr	8	Civilians (Palestine)	Fishermen (Palestine)		7		78 Middle Ea
4816	17-Jun-22	2022	1	Violence against civilians	Attack	Unidentified Armed i	3	Civilians (Honduras)			7		37 Central Ar
61861	17-Jun-22	2022	1	Violence against civilians	Attack	Unidentified Armed i	3	Civilians (Mexico)	Former Police Forces of Mexico (2018-)		7		37 North Am

Data Story

As a result of international news outlets highlighting violence against civilians in the Russian invasion of Ukraine we want to visualise the data gathered by ACLED and see what patterns we could interpret. We are intrigued to see if there was a distinction between the frequency of occurrence and fatality count pre-Russian invasion and post. Also to identify any significant changes since the beginning of the invasion and the progression of the conflict.

Finally, we will make a comparison with the rest of Europe and globally to draw a conclusion; is this type of violence an exceptional case?

Back-end Tools

- API
- Flask
- MongoDB

Front-end & Data Visualisation

- HTML, CSS, Bootstrap
- D3, Plotly, Leaflet
- One JS module - not used in class

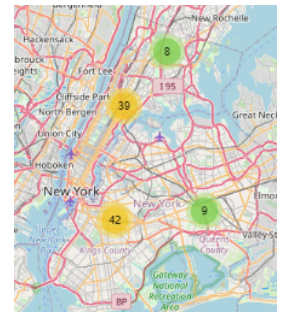
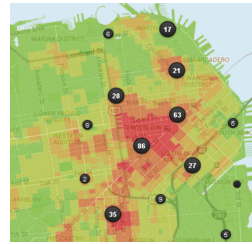
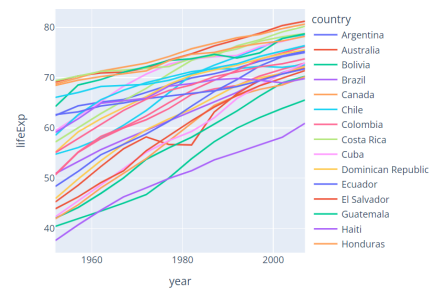
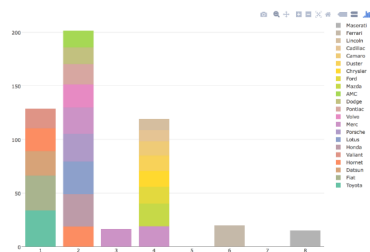
Visualisations

Leaflet

- Heatmap layer the count event type violence against civilians
- Marker cluster - count of fatalities

Plotly

- Line graph - show the progression of count of event type violence against civilians from day 1 of the Russian invasion to present
- Bar chart - displaying the top ten count of event type



Final Design

Our interactive page will include:

- A navigation bar with a page for each geographical space with additional analysis, and one page which holds a snapshot of the data source.
- Three data visualisations that will allow the user to filter / layer geographical areas.

Mockup:

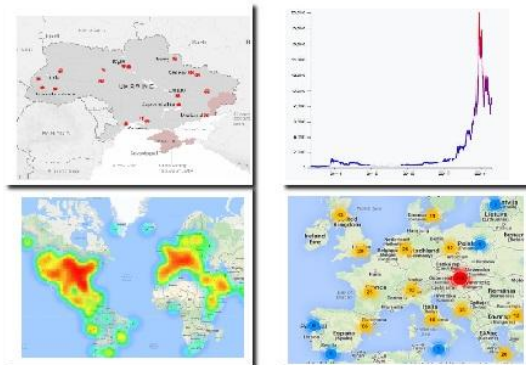
Anti civilian violence: Data Analysis Plots ▾ Data

Project Summary

Why lorem ipsum?

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Visualizations



GitHub Repo:

<https://github.com/dianaagustinaf/anti-civilian-violence-data>

Implications for research

What implications does this have on politics, communities, and international relations? What does this mean for Russia on the international stage?

References

(ACLED) <https://acleddata.com/data-export-tool/> (accessed, 21.06.22).

(BBC, 2022) <https://www.bbc.co.uk/news/world-europe-61652467> (accessed, 21.06.22).