Project Abstract

Title: Ukraine Improvised Explosive Device Incidents

Online Studio 3

Team:

* Valérie Lavigne, [valelavi@gmail.com](mailto:valelavi@gmail.com)
* Marius Panga, [marius.c.panga@gmail.com](mailto:marius.c.panga@gmail.com)
* Jayaram Shivas Vadakumpuram, [shivasj@gmail.com](mailto:shivasj@gmail.com)

Motivation:

The Counter Improvised Explosive Devices Centre of Excellence (C-IED COE) is an International Military Organization, multinationally manned and funded by contributions from 9 sponsoring NATO nations (<http://www.coec-ied.es/>). Each month, they produce a static MS Powerpoint presentation rendering the statistics about the IED events in Ukraine. Our goal is to build an interactive visualization for that data, hoping it could provide better insight into the Ukraine situation. We are planning to explore different geographical, temporal and statistical aspect of this dataset. We would like to find out if there are correlations or patterns in the IED events over time and between the events and the statistical properties of the regions in which they occur.

Planned Dataset:

NATO Unclassified IED events spreadsheet from the NATO C-IED COE. It contains 665 events, with 15 in 2001-2013, about 230 in 2014 and the rest in 2015. It contains the following column headers: Date, Type, KIA (Killed in Action), WIA (Wounded in Action), City, Region, Country, Details, Group, Remarks. There are missing values in the dataset.

We want to include a geojson/topojson data about the various regions of Ukraine as we expect some of this information might be displayed on a map.

We also want to include various statistics about Ukraine to see if we can find patterns between the IED events and these statistics. So far, we found the population of each district, as per Jan 2013 (<http://ukrstat.gov.ua/operativ/operativ2013/ds/kn/kn_e/kn0113_e.html>), as well as the monthly wages by region from 1995 to 2015 (<http://ukrstat.gov.ua/operativ/operativ2006/gdn/prc_rik/prc_rik_e/dszpR_e2006.htm>).

We are considering using the output of the 2011 Ukraine census as another data source for this project (<http://database.ukrcensus.gov.ua/MULT/Database/Census/databasetree_en.asp>). We could extract more dimensions like education, sources of livelihood and especially native language. The data seems to be at region level, similar in grain to the NATO data. Also, derived from the census, we have the number of Russians in Ukraine, by province, in 2001: (<https://en.wikipedia.org/wiki/Russians_in_Ukraine>).