Showcase of d3.js and it's possibilities in infographics using the Ukraine conflict as an example

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1 Introduction

The postmodern word produces huge amouts of data every second. Analysing this data leads can lead to better informed decision making in every sector. Yet the wast amounts of data created are often hard to comprehend with the human mind. Infographics is about finding ways to represent this data in visually appealing, yet easily understandable visual representations. Doing this quickly and always up to date can be crucial. There are many tools awailable to to help with the creationg of infographics. In this thesis we will do a deep dive into the possibilities of one of these tools. The 'd3.js'(D3) library for JavaScript. To show its capabilities we will create graphics from data of various aspects of the Ukraine conflict.

2 Basics

Infographics   What is it?

Technologies   d3.js, JavaScript, html, git

Data   What kind? From where? Reliability?

Diagrams   What are they? Why are they useful? Which types, and for what purposes do they exist?

3 Selection process

Using the available data: Which types of diagrams are useful? How can we show off as many differnt diagrams as possible?

4 Creating a showcase

How do we pull it all together? In which context are the graphics to be shown?

5 Expectations

What will issues be? How do I think the possibilities are? How complex can we be in not too much time?