

Distribution of Violent Events in North Caucasus (1997-2007)

WWU-IFGI, Digital Cartography

Authors: Dejan Popović and Alexander Tedeschi

30/07/2015

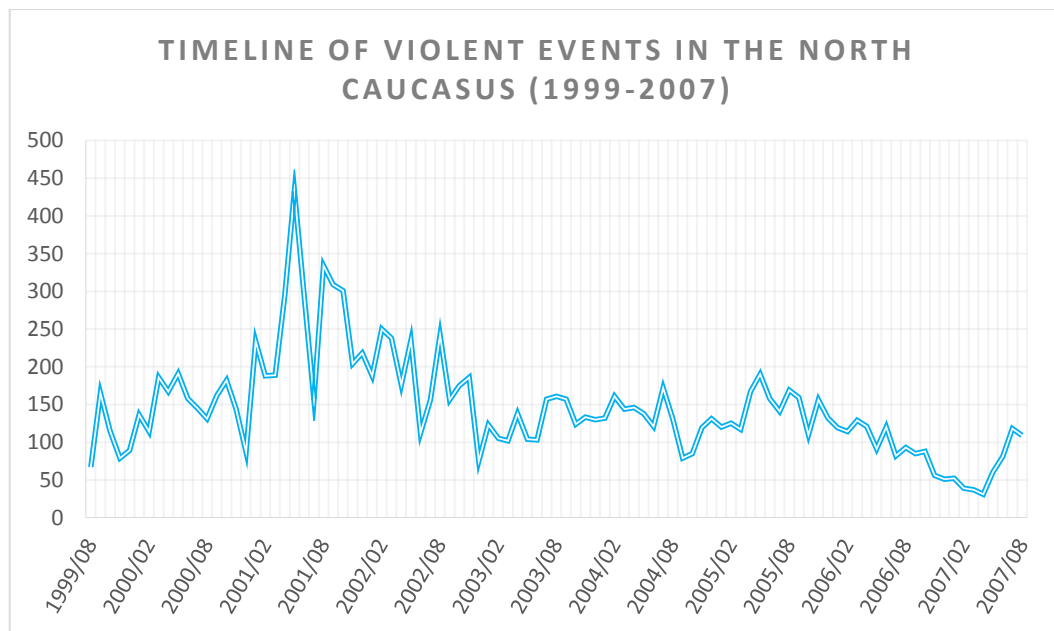
Aim/Idea:

The idea for the map is to identify the incidents of violent crimes in a spatial context and its correlation with population density. The area of North Caucasus is a particularly contentious area with a predominantly Muslim population who have historically wanted to secede from Russia.

Data:

The data was sourced from National Science Foundation, a US Federal organisation created 'to promote the progress of science; to advance the national health, prosperity, and welfare; to secure the national defence'.

The agency collected the data as part of their core operational directives and image below is a graphical representation of the data collected and spatially represented in the map.



Objective:

The objective of the map is to identify the distribution and degree of violent crimes in the region and correlate this with the population density as supporting information. The target audience is those of political and social welfare dispositions, as the data provides information on political stability and socio-economic vulnerability.

Map Symbolology and Properties:

The map assembles both population density and incidences of violent crime, therefore considered thought was given on how to assemble and present the data in a cohesive and meaningful way. The following choices were made:

- The population density utilises a choropleth map with discretisation of data based on aggregated data provided.
- Violent crimes utilised graduated symbols to highlight to the viewer the quantity of crimes in a given area.

It is considered that the presentation of the map benefits from the use of these two different styles as it allows the viewer to absorb the data in a meaningful and non-confusing manner.

Distribution of Violent Events in the North Caucasus (1999-2007)

