

# Figurative map of the successive losses in men of the French Army in the Russian Campaign of 1812-1813

Drawn by M. Minard, Inspector General of Bridges and Roads (retired). Paris, November 20, 1869.

"The numbers of men present are represented by the widths of the colored zones at a rate of one millimeter for every ten thousand men; they are further written across the zones. The red designates the men who enter Russia, the black those who leave it.

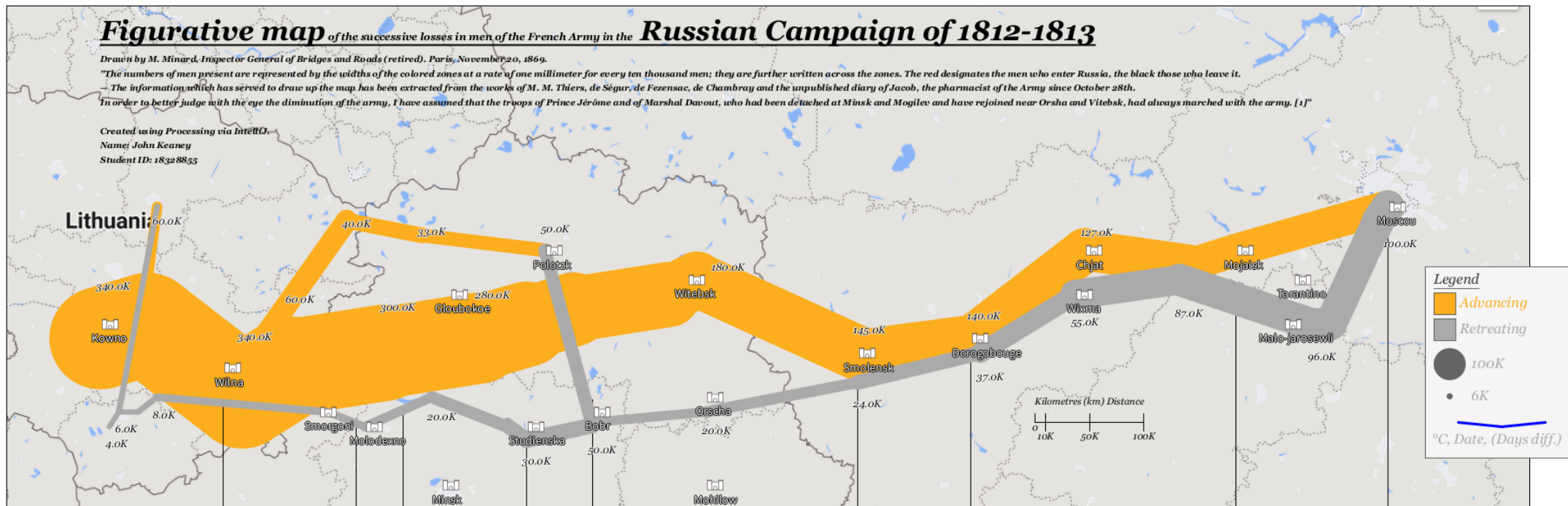
The information which has served to draw up the map has been extracted from the works of M. M. Thiers, de Ségur, de Fozensac, de Chambray and the unpublished diary of Jacob, the pharmacist of the Army since October 28th.

In order to better judge with the eye the diminution of the army, I have assumed that the troops of Prince Jérôme and of Marshal Davout, who had been detached at Minsk and Mogilev and have rejoined near Orsha and Vitebsk, had always marched with the army. [1]"

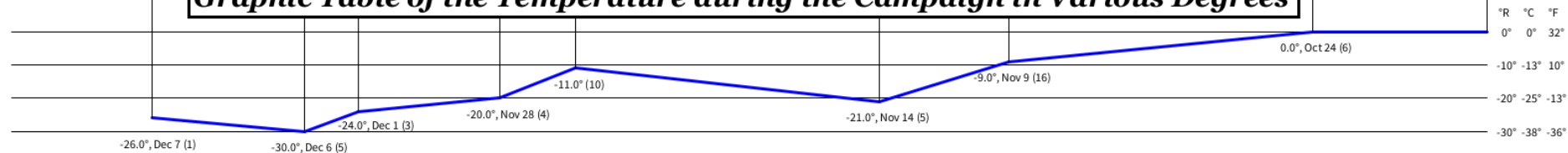
Created using Processing via Intellicart.

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## Graphic Table of the Temperature during the Campaign in Various Degrees



[1] Title & Description based off Wikipedia Entry: [https://en.wikipedia.org/wiki/Charles\\_Joseph\\_Minard#/media/File:Redrawing\\_of\\_Minard's\\_Napoleon\\_map.svg](https://en.wikipedia.org/wiki/Charles_Joseph_Minard#/media/File:Redrawing_of_Minard's_Napoleon_map.svg)

[2] Map Image Sourced from: <https://snazzymaps.com/>

**DECLARATION:** I understand that this is an **individual** assessment and that collaboration is not permitted. I have read, understand and agree to abide by the plagiarism provisions in the General Regulations of the University Calendar for the current year, found at <http://www.tcd.ie/calendar>. I understand that by returning this declaration with my work, I am agreeing with the above statement.

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Assignment #1.2

Description:

An animation and visualisation of Napoleon's Campaign to Moscow, Russia from 1812 to 1813, created using Processing. When run, a map and background table are drawn to the screen, followed by an animation which draws to screen the path from Kovno to Moscow and back. Using the number of survivors, the stroke weight of the lines is adjusted, making the decrease in numbers intuitive to the reader. Paired with this information is the temperature graph, located below the visualisation that showcases the various changes in temperatures along the track on the campaigns return. Fort icons are placed wherever a city is located, and a legend detail when the troops were advancing and retreating, along with a weight which attempts to showcase the numbers.