

Case Studies

Dr. Ilkay Altintas

Visualization: Cholera Case Study

- Describe the role played by data visualization in understanding how cholera spreads

Cholera

- Bacterial infection
- Causes severe diarrhea, possibly leading to death by dehydration
- Remains public health threat
 - 1.3-4.0 million cases worldwide
 - 21,000-143,000 deaths worldwide

<http://www.who.int/mediacentre/factsheets/fs107/en/>

How Cholera Spreads



Photo by Ashley Wheaton, April 2009.

How they thought Cholera spreads



"Doktor Schnabel von Rom"

Artwork by Paulus Fürst, 1656

The outbreak



The Cholera Map

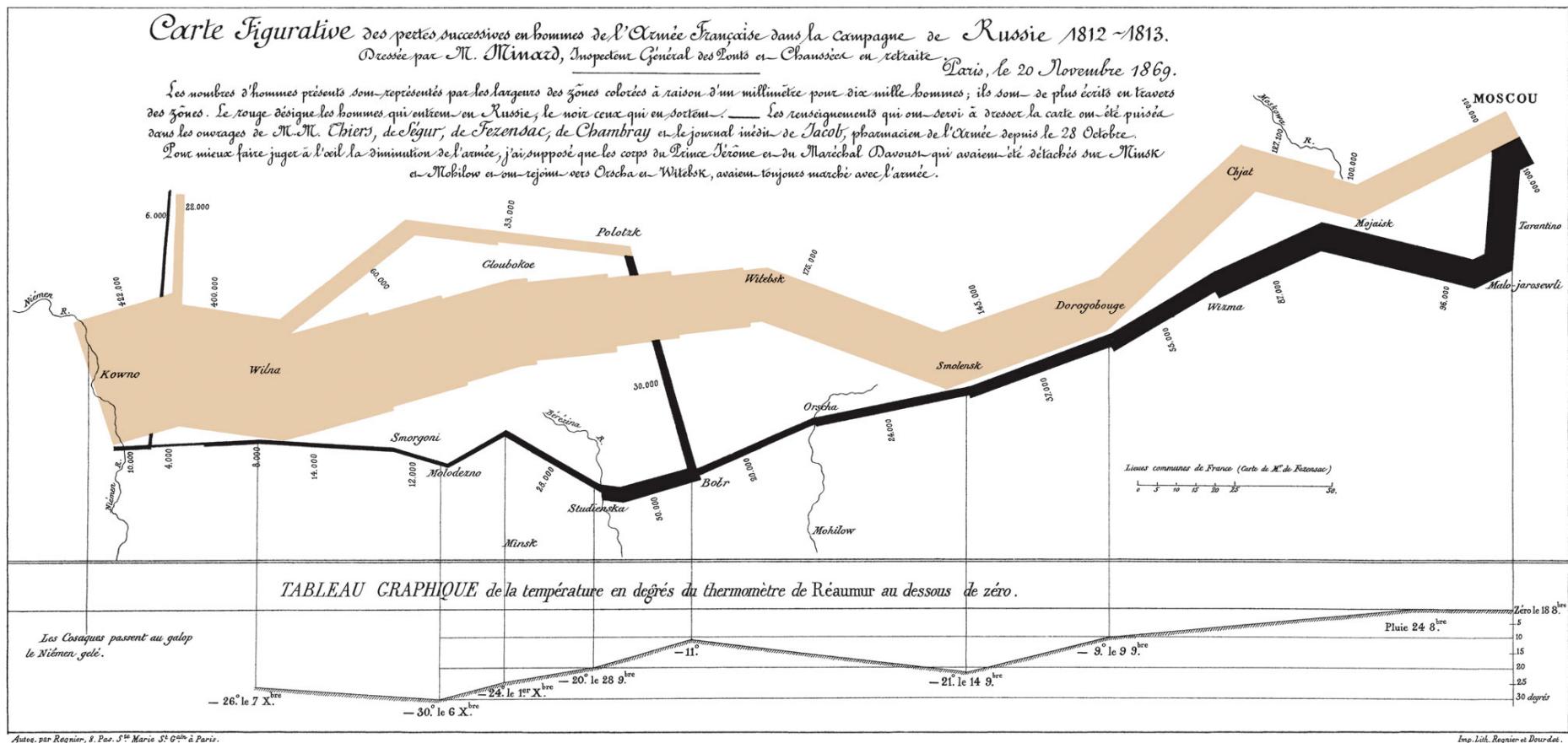




Visualization: The Russian Campaign of 1812 Case study

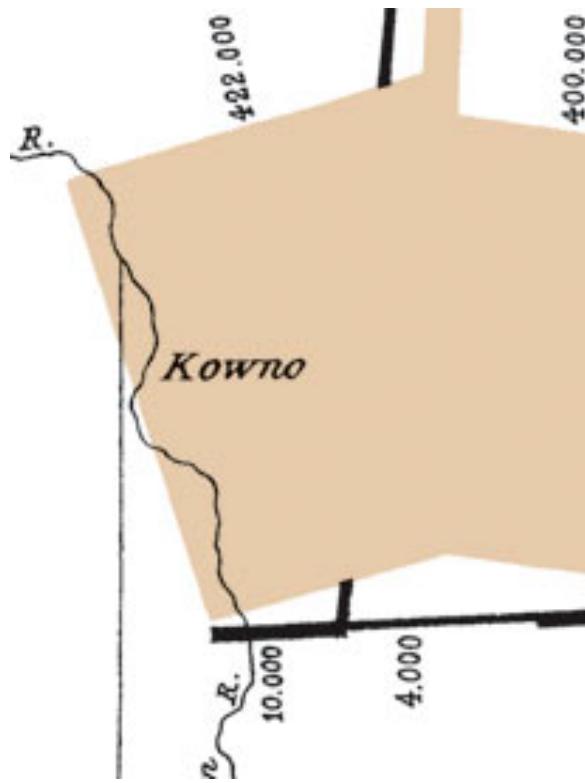
- Explain why the data visualization of Napoleon's Russian campaign in 1812 is particularly effective

The Russian Campaign of 1812

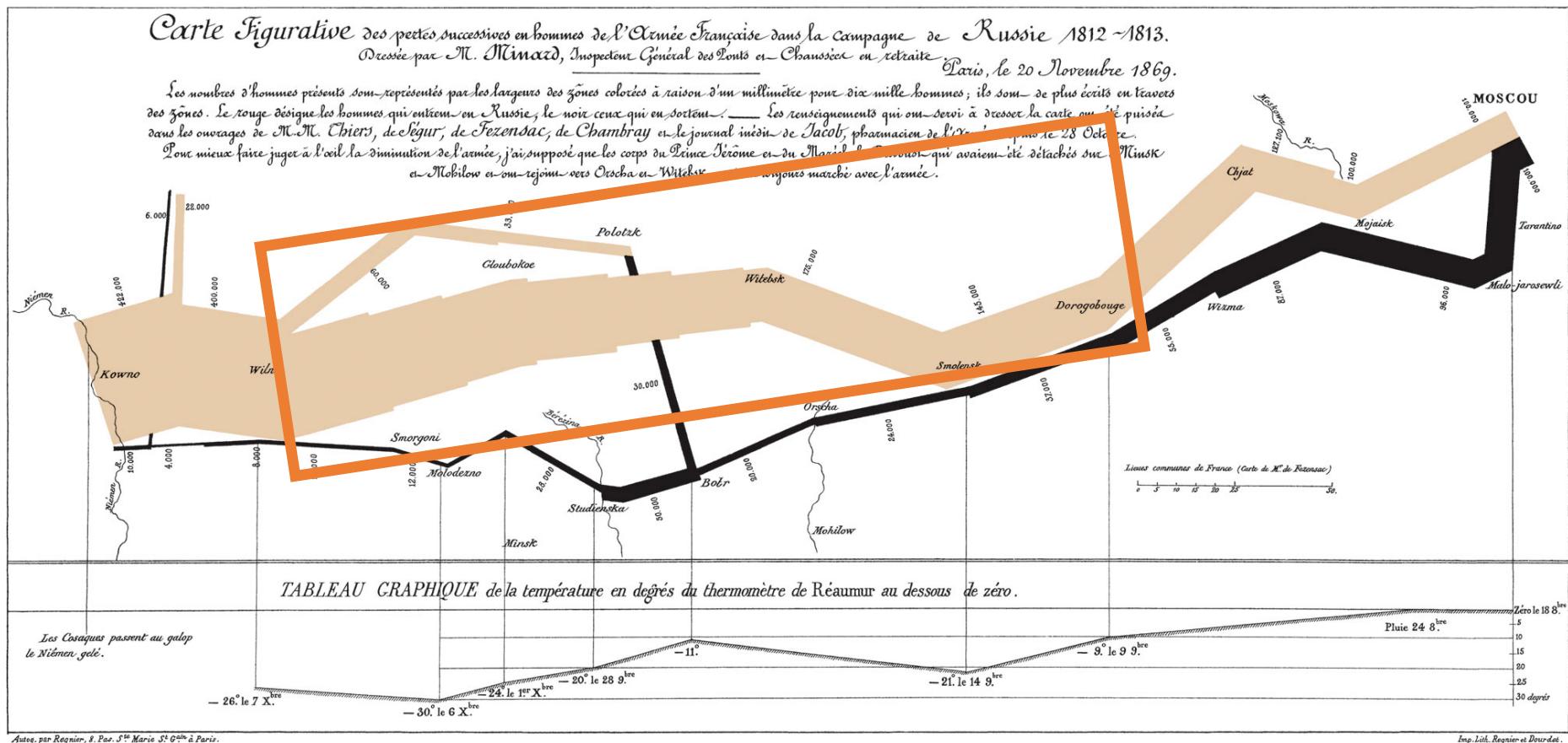


<https://upload.wikimedia.org/wikipedia/commons/2/29/Minard.png>

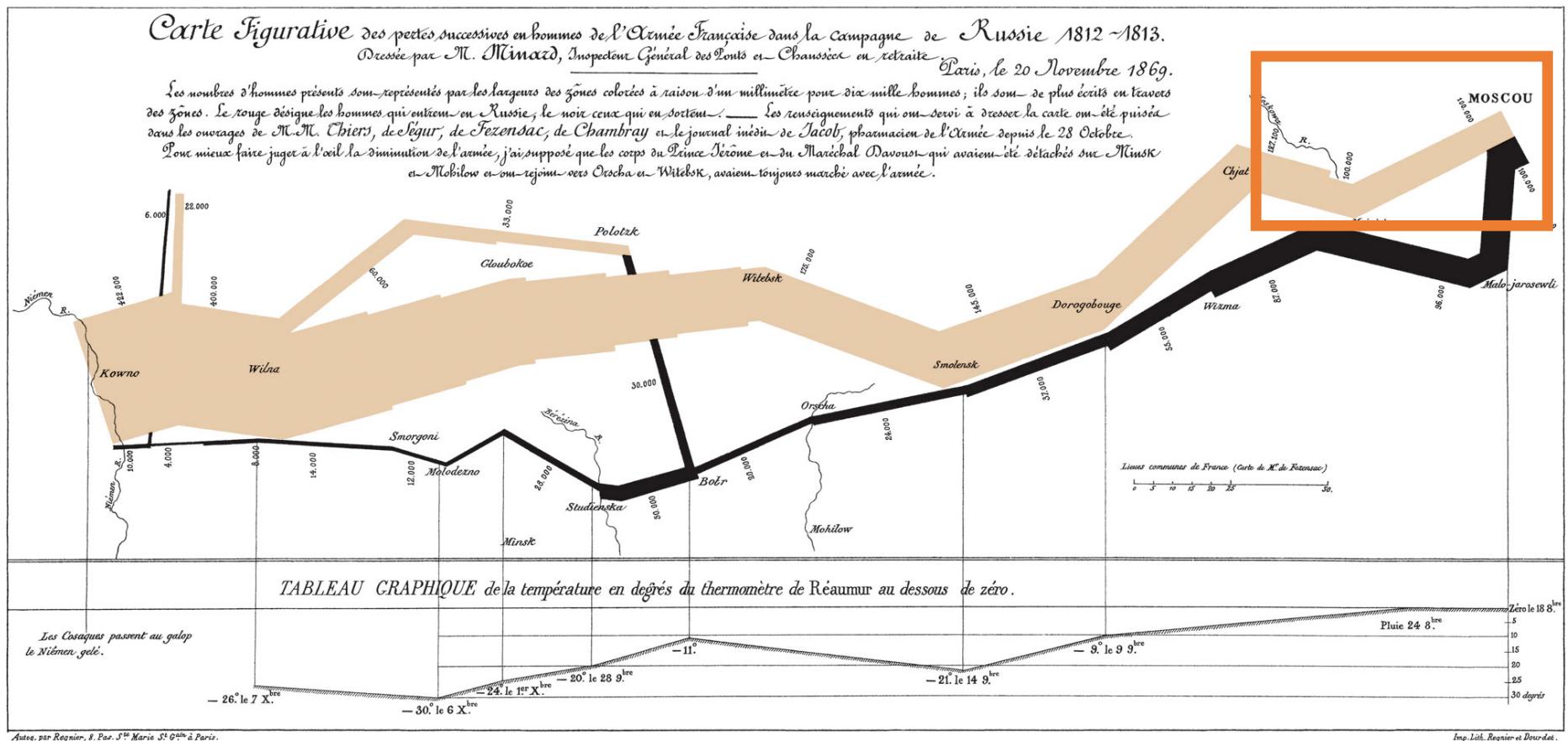
The Russian Campaign of 1812



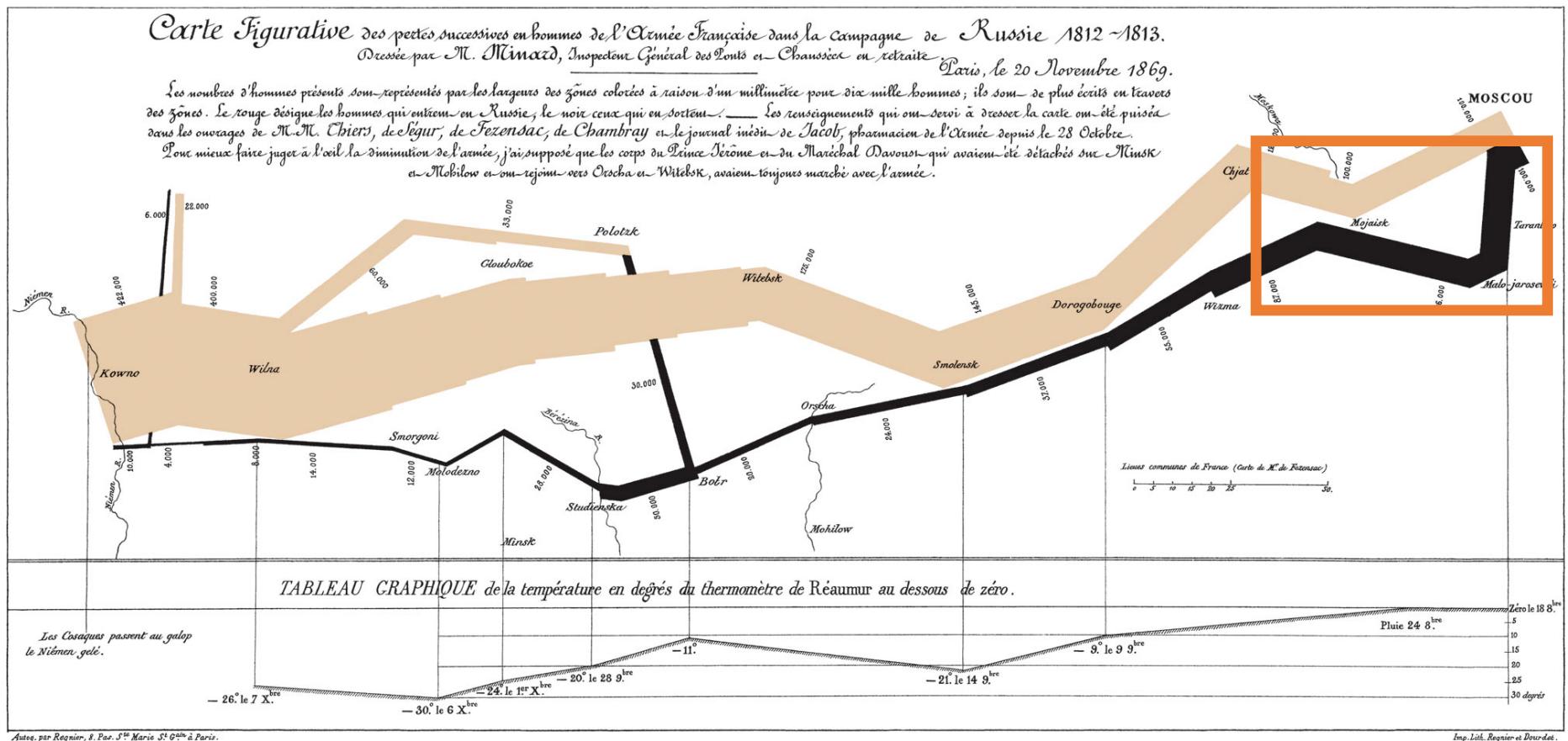
The Russian Campaign of 1812



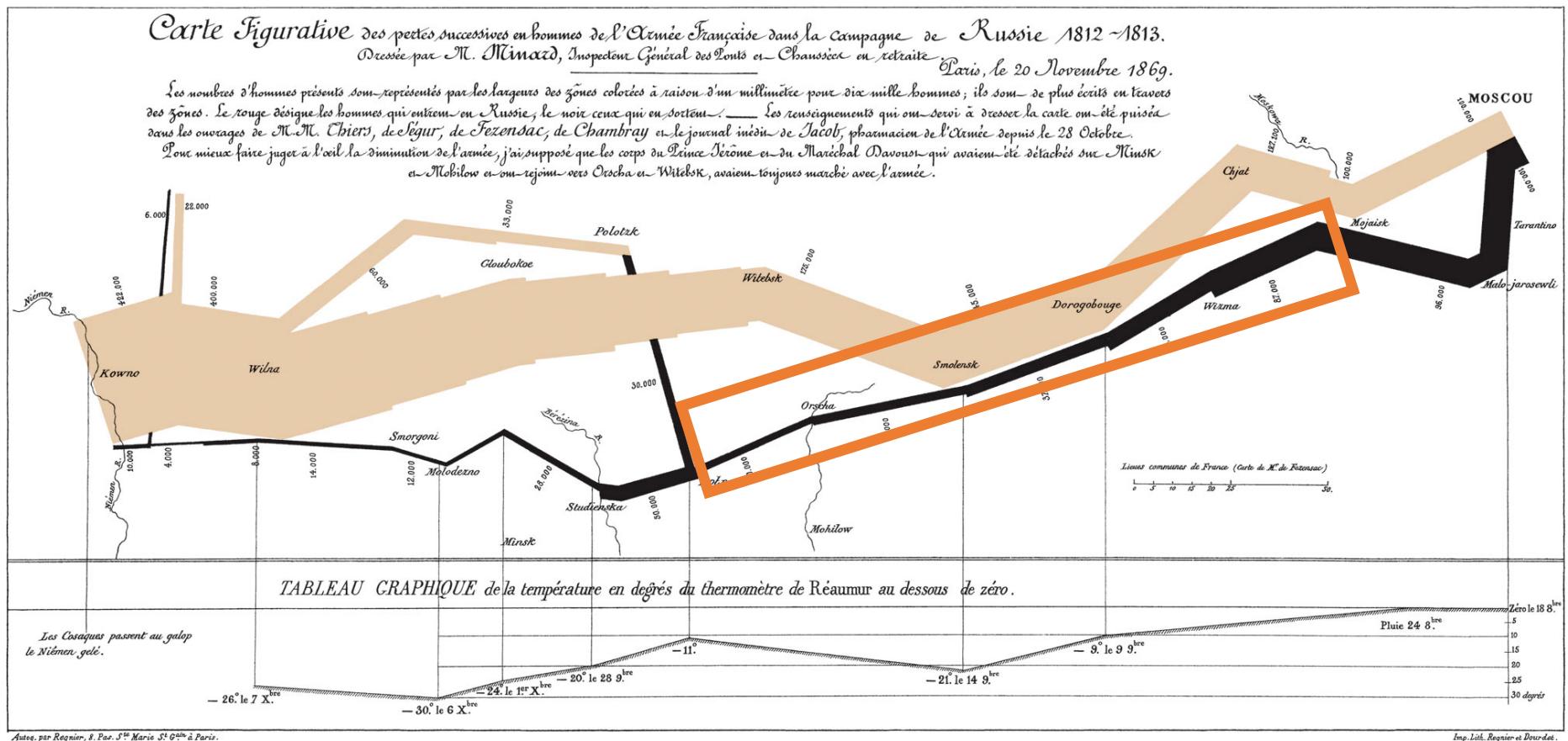
The Russian Campaign of 1812



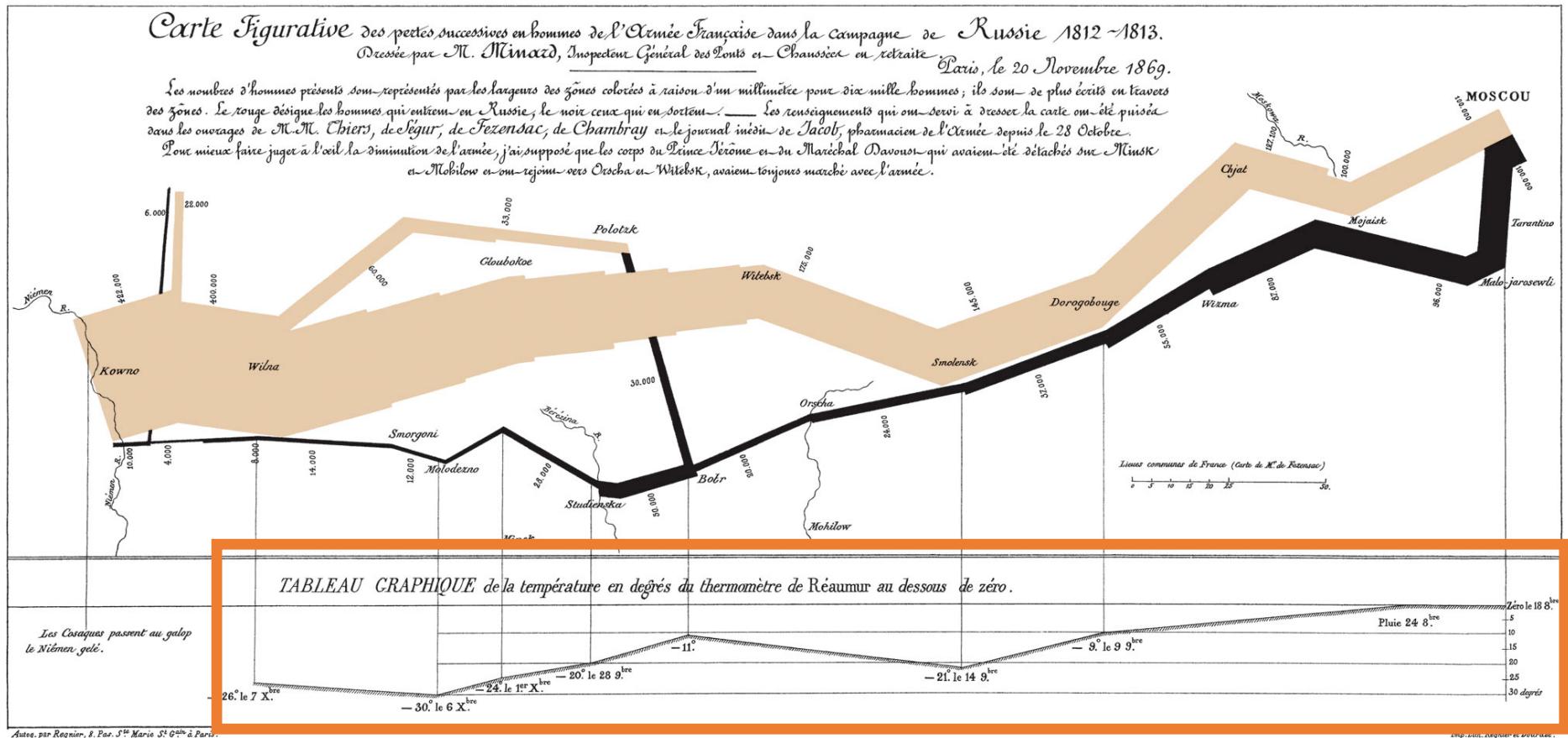
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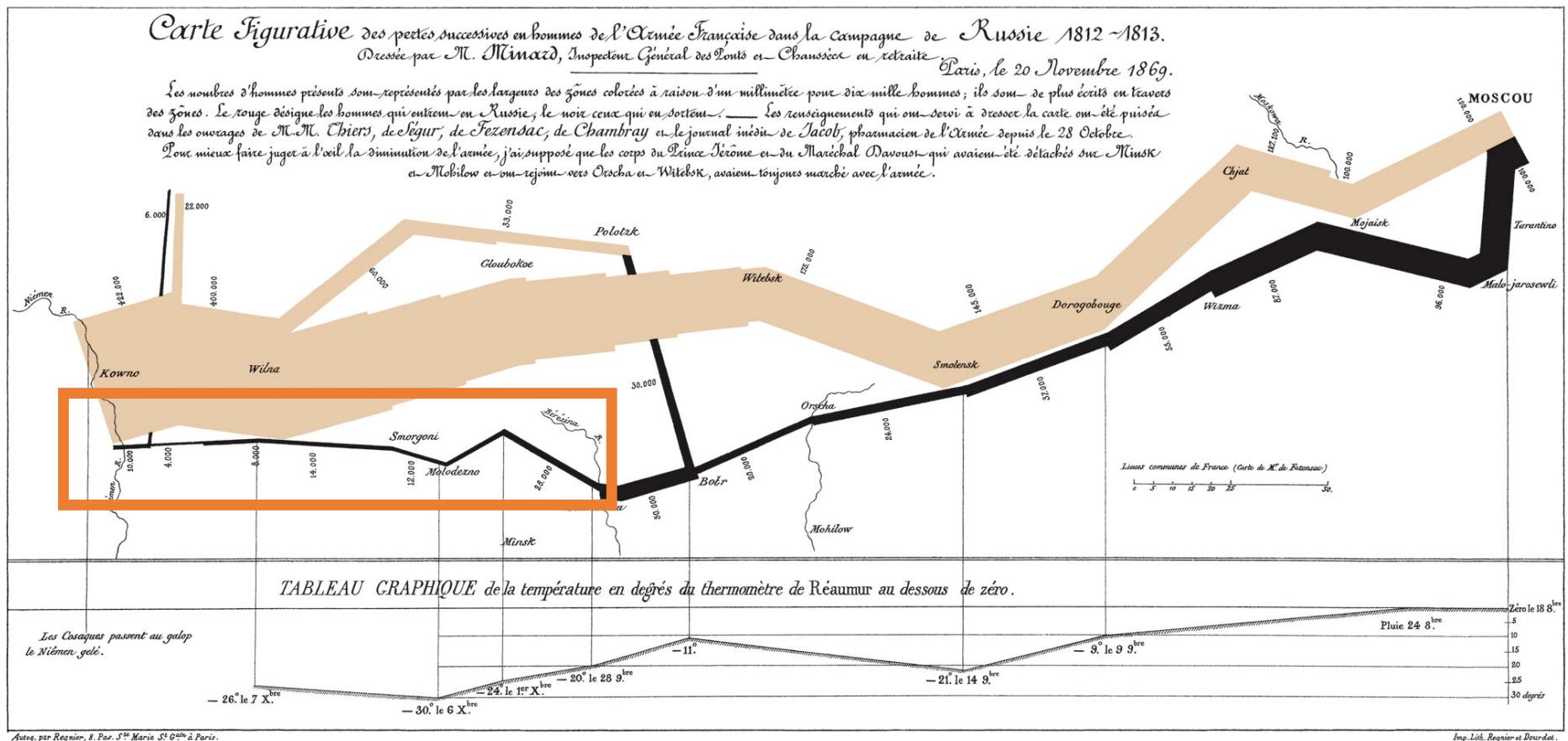
The Russian Campaign of 1812



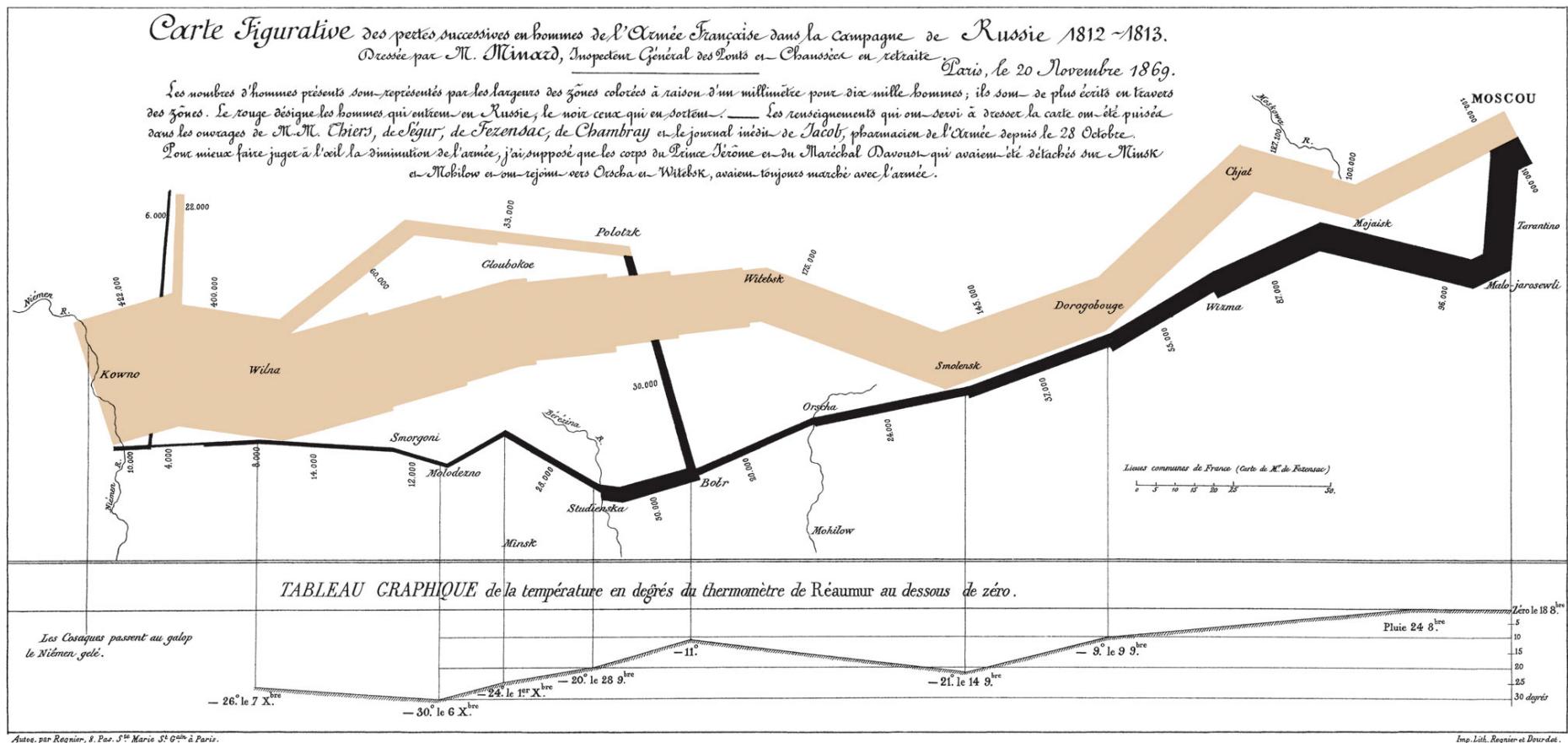
The Russian Campaign of 1812



The Russian Campaign of 1812



The Russian Campaign of 1812



Sources

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http://www.pbs.org/empires/napoleon/n_war/campaign/page_12.html