Introduction to Data Visualization

Summer 2018 | The Graduate Center at CUNY

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May 29, 2018

Introduction

- Name
- Affiliation
- Why you are taking this course

Overview of Class

- Data
- Visualization
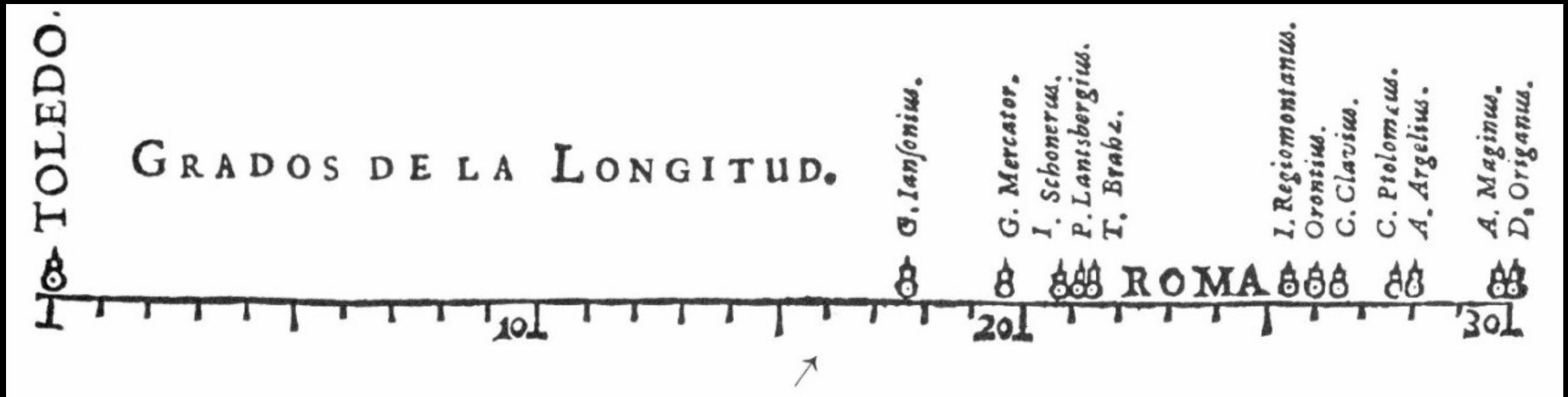- Design
- Seminar/Practicum

Overview of Class

- Projects
- Reflection
- Portfolio
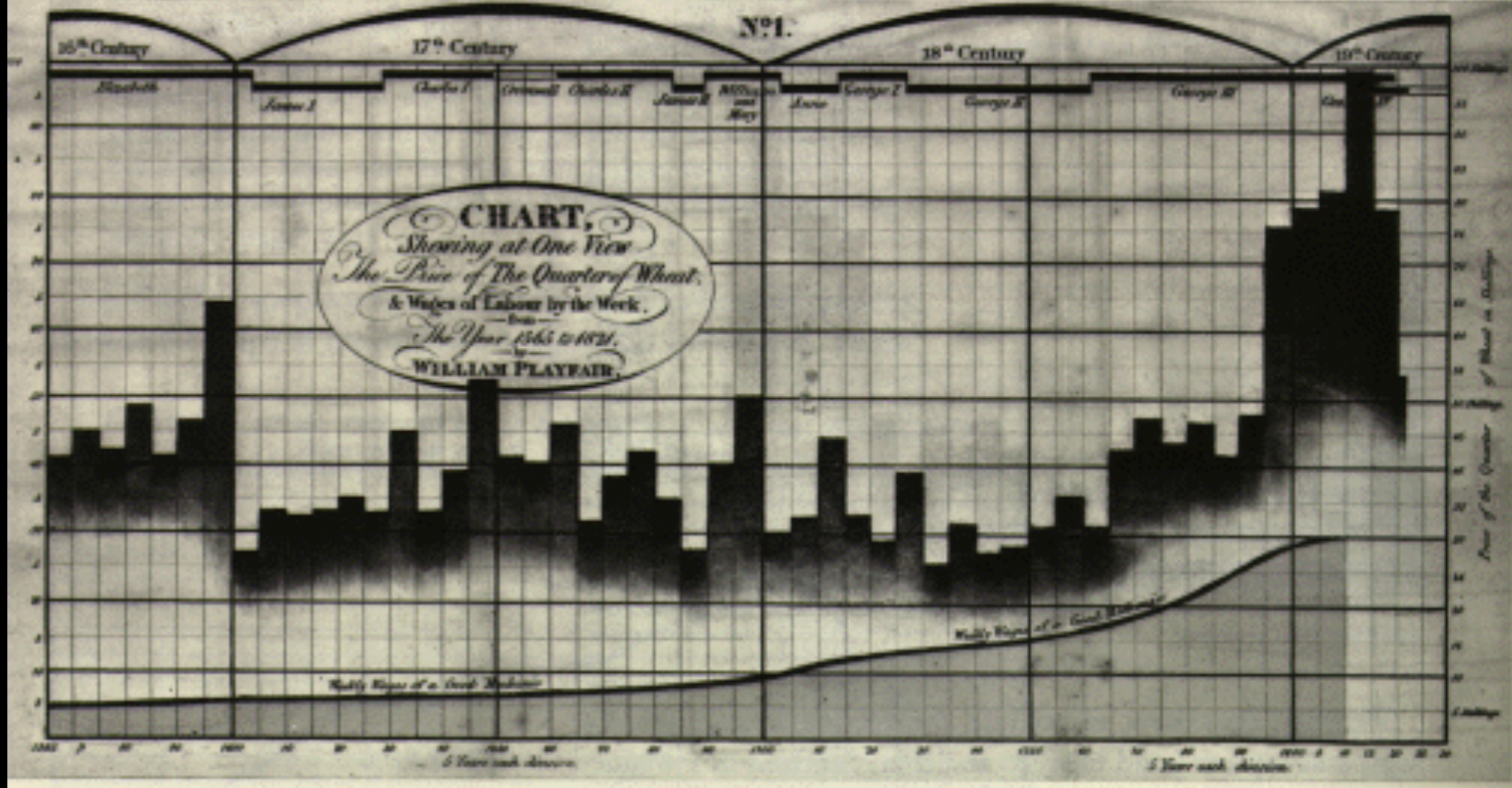- White Paper

What is Data Visualization?

Brief History of Data Visualization

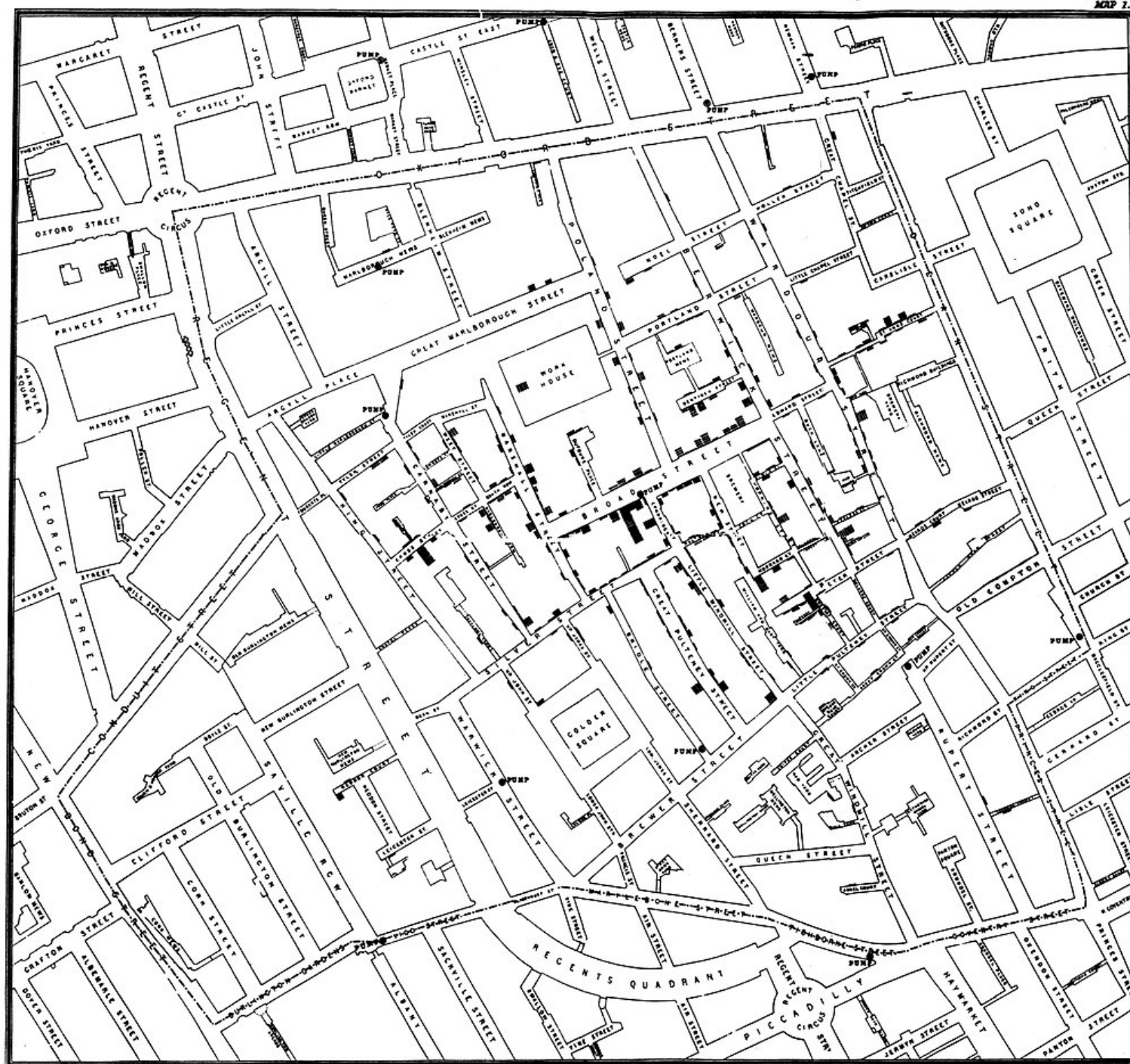According to Michael Friendly, 2007

1644, Michael Florent van Langren
Difference in Longitude between Toledo and Rome

Golden Age of Data Visualization

1821, Playfair
Price of wheat, weekly wages, and reigning monarch
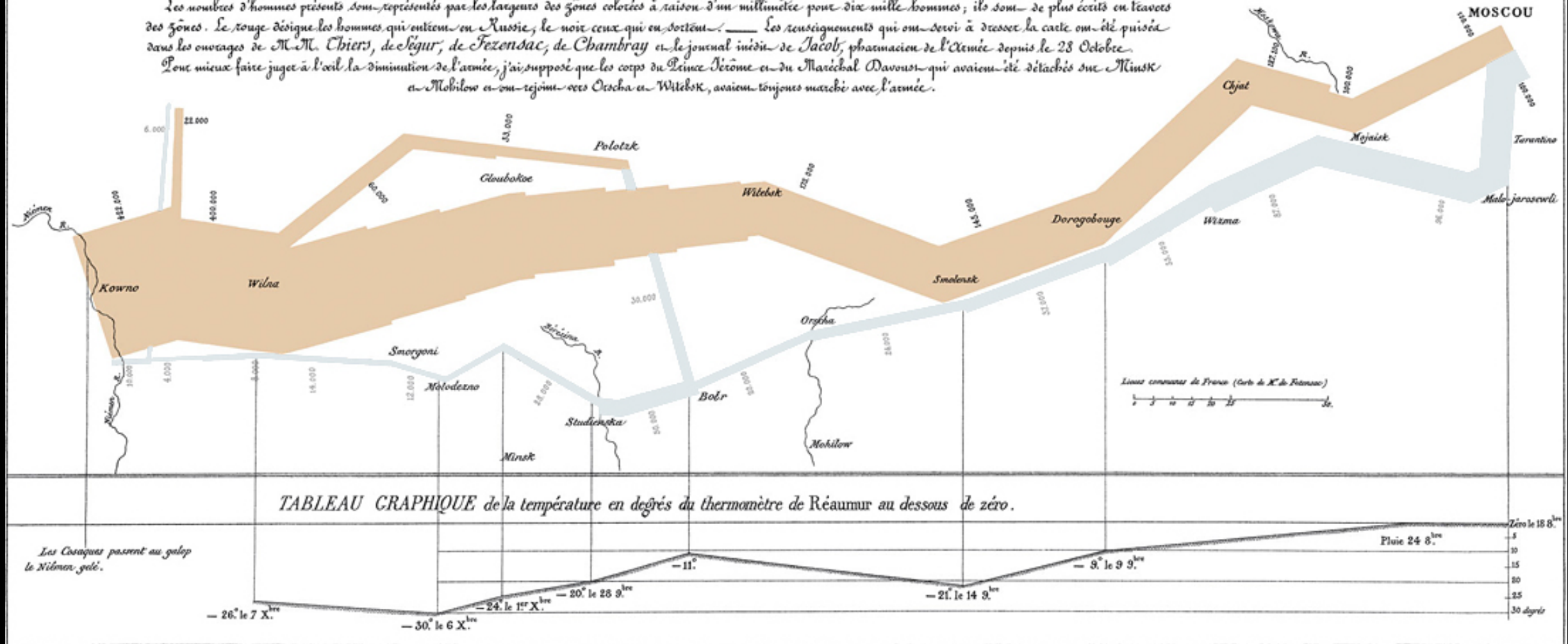from 1565 to 1820

1854, John Snow
Cholera Maps

1869, Charles Minard
Flow chart of Napoleon's Retreat from Moscow

Rebirth of Data Visualization

Rebirth of Data Visualization

- Edward Tufte
- Alberto Cairo
- Mike Bostock (D3)
- Aaron Koblin
- Amanda Cox (Upshot)
- David McCandless
- Ola Rosling
- Nathan Yau

- Eric Rodenbeck (Stamen)
- Fernanda Viégas
- George G. Robertson
- Hannah Fairfield
- Stephen Few
- koci hernandez
- And more!

Interview Speed Dating

Data Collection

- Google Form Survey

Tech Set Up