Northwestern University

Introduction to Data Visualization & Data Storytelling

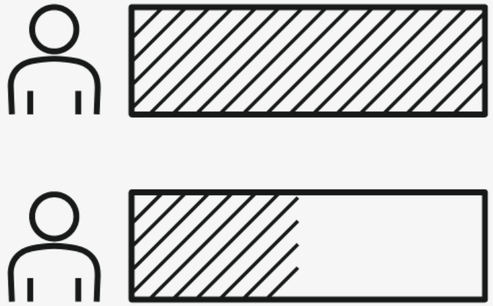
Week 2

Short break!

We start again in 5 minutes...

POLL

When was the bar chart invented?



DATA VIZ HISTORY

PRE-HISTORY

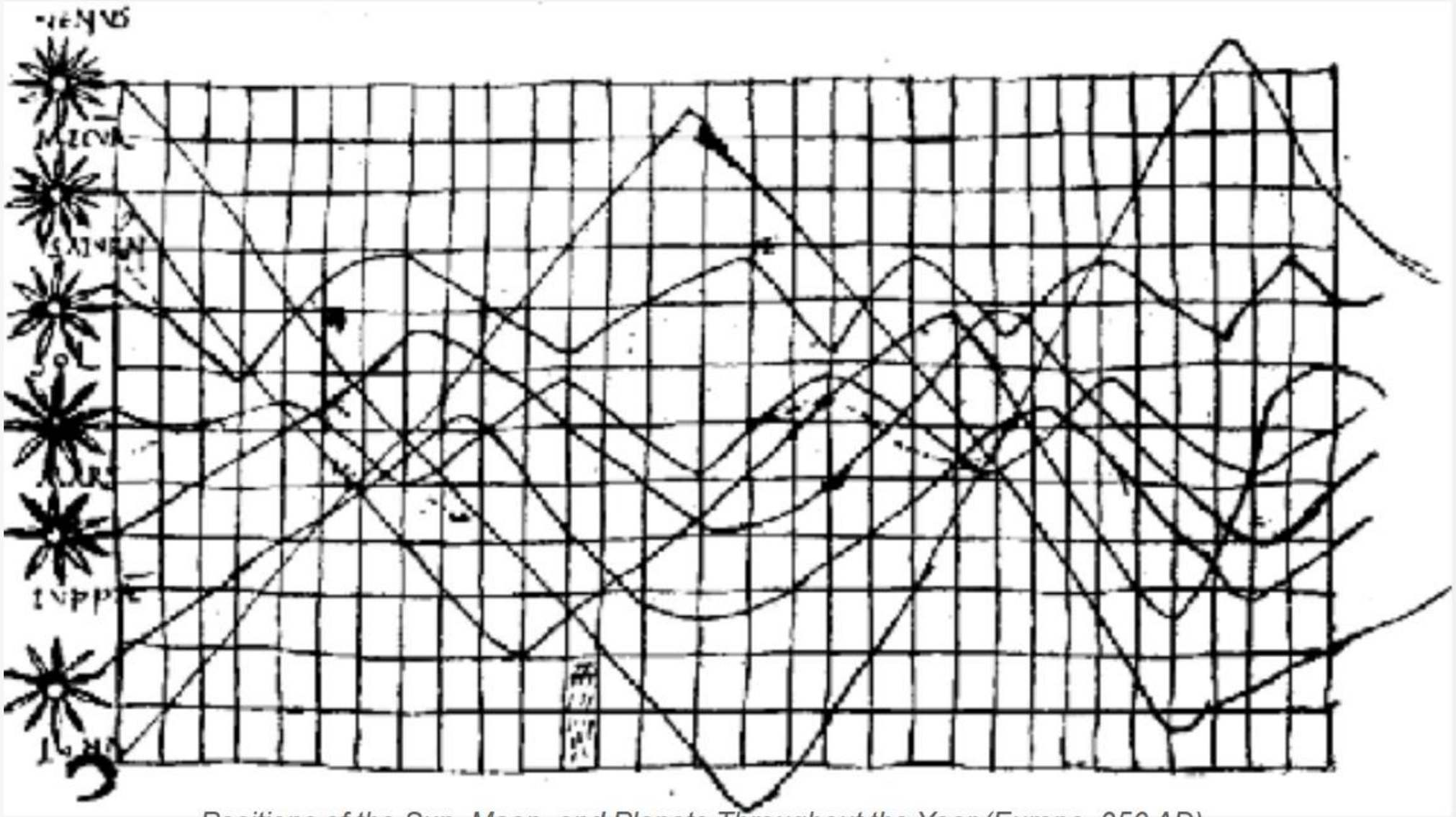
Babylonian world map (600 BC)

- Babylonians, Egyptians, Greeks and Chinese
- Clay, papyrus

MAPS (Middle Ages)

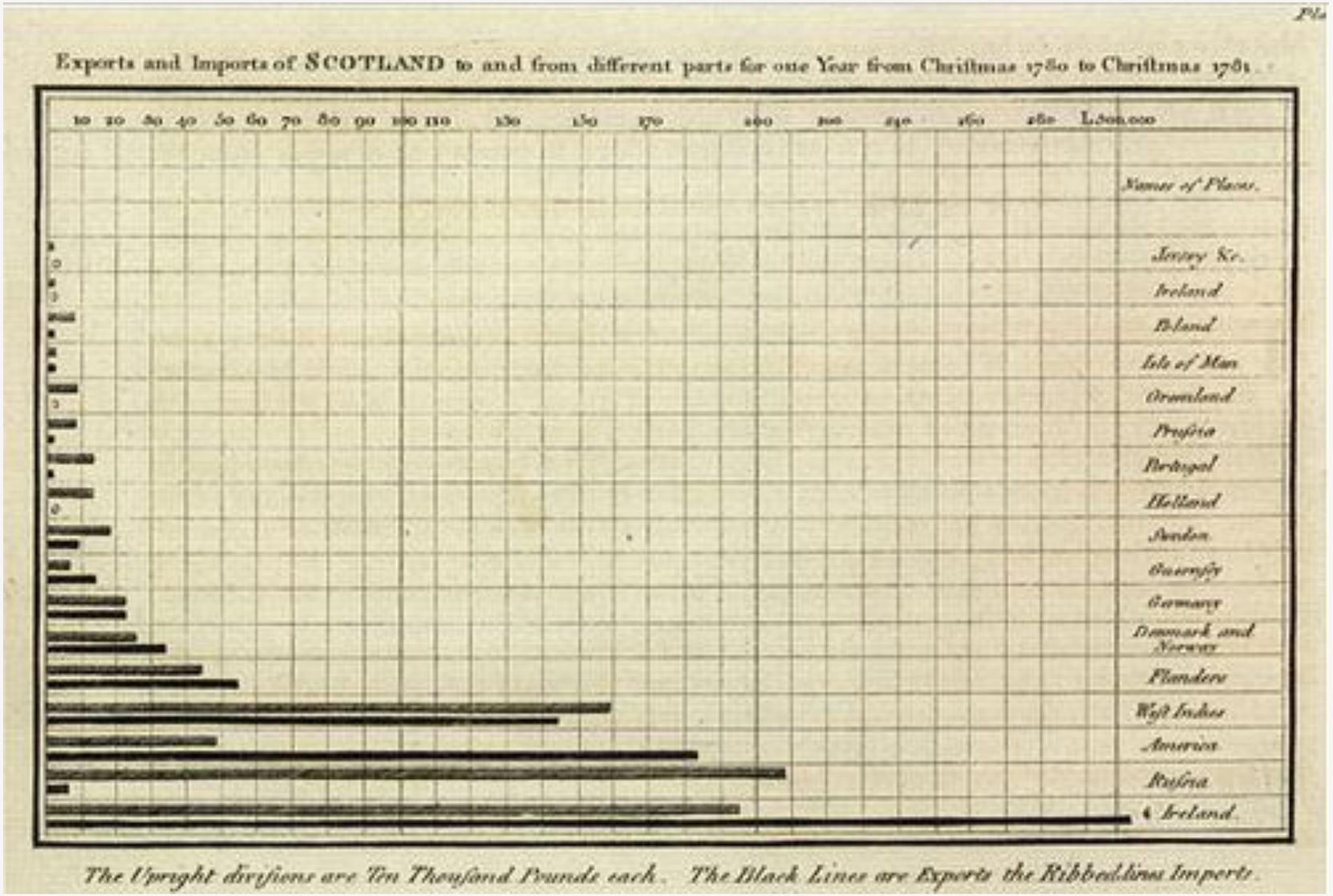
Source: www.flickr.com/photos/royaloperahouse/17133689640

LINE GRAPH (950 AD)



Positions of the Sun, Moon, and Planets Throughout the Year (Europe, 950 AD)

WILLIAM PLAYFAIR (1759–1823)



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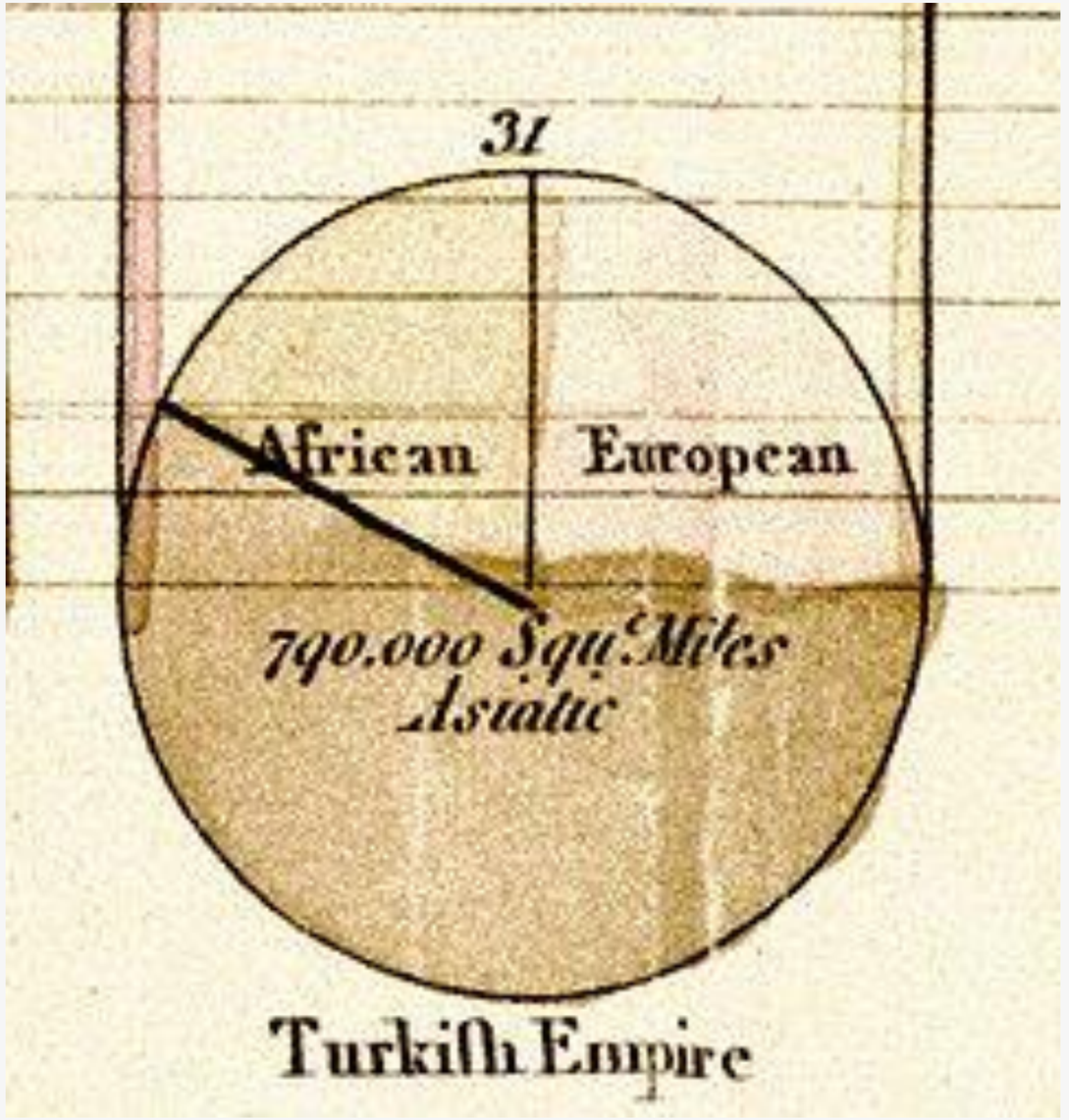
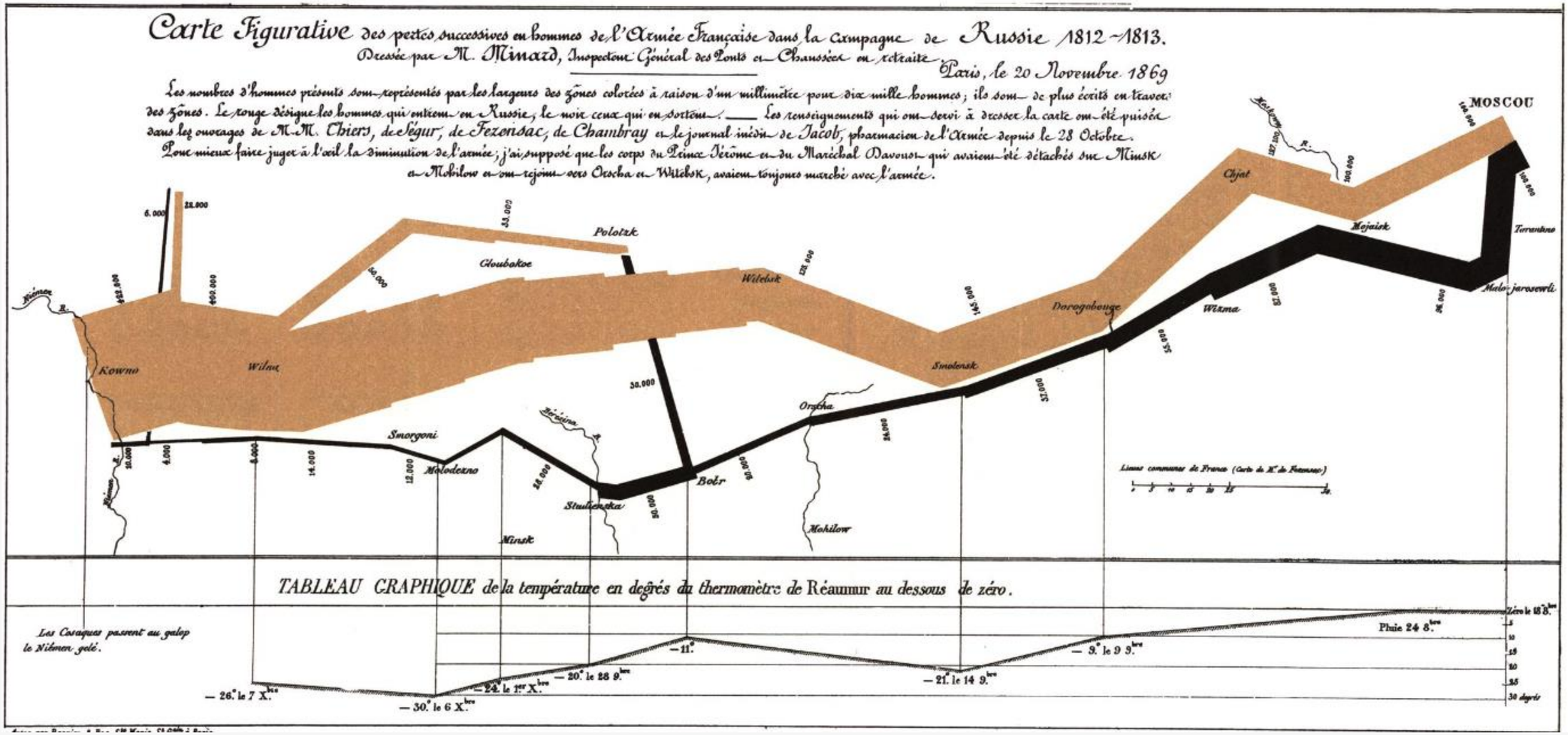
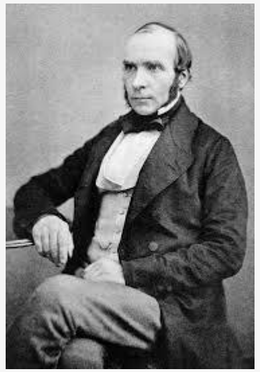


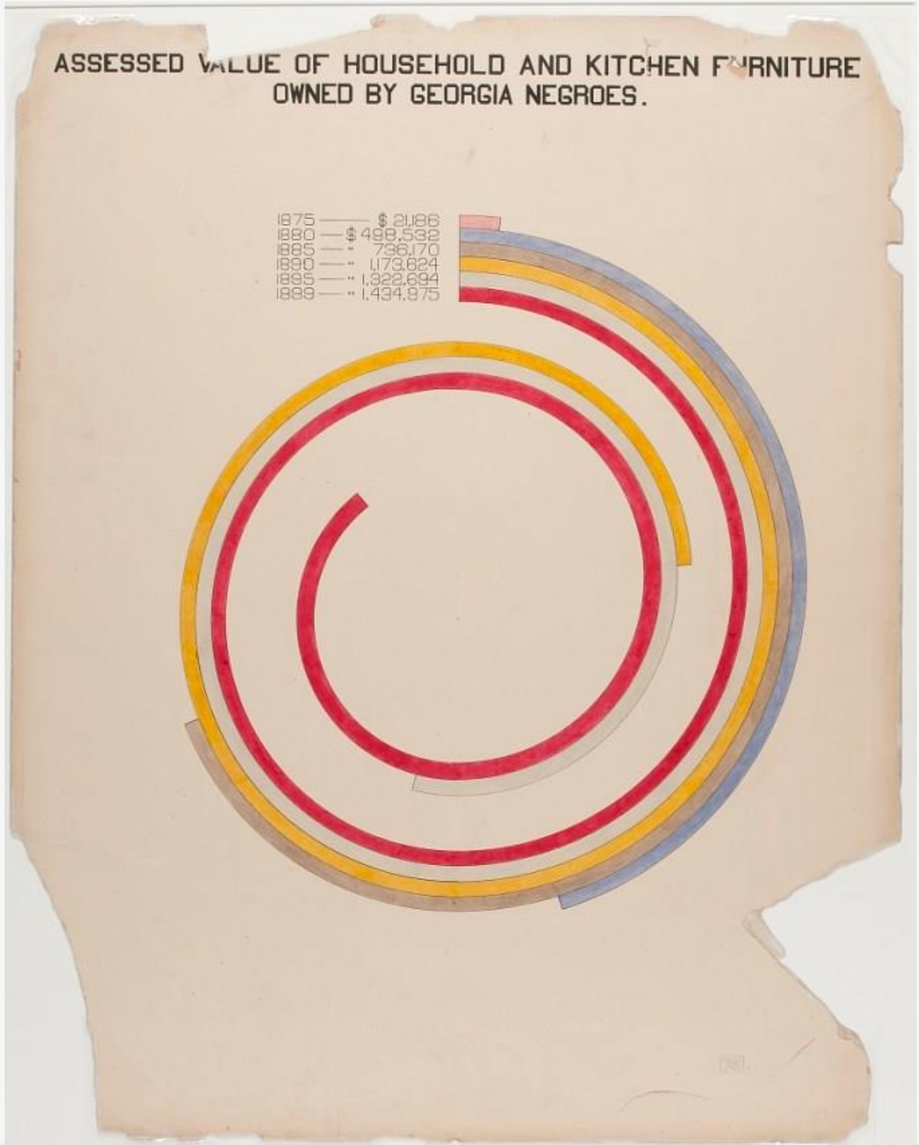
CHARLES J. MINARD (1781 - 1870)



JOHN SNOW (1813–1858)



W. E. B. DU BOIS (1868–1963)



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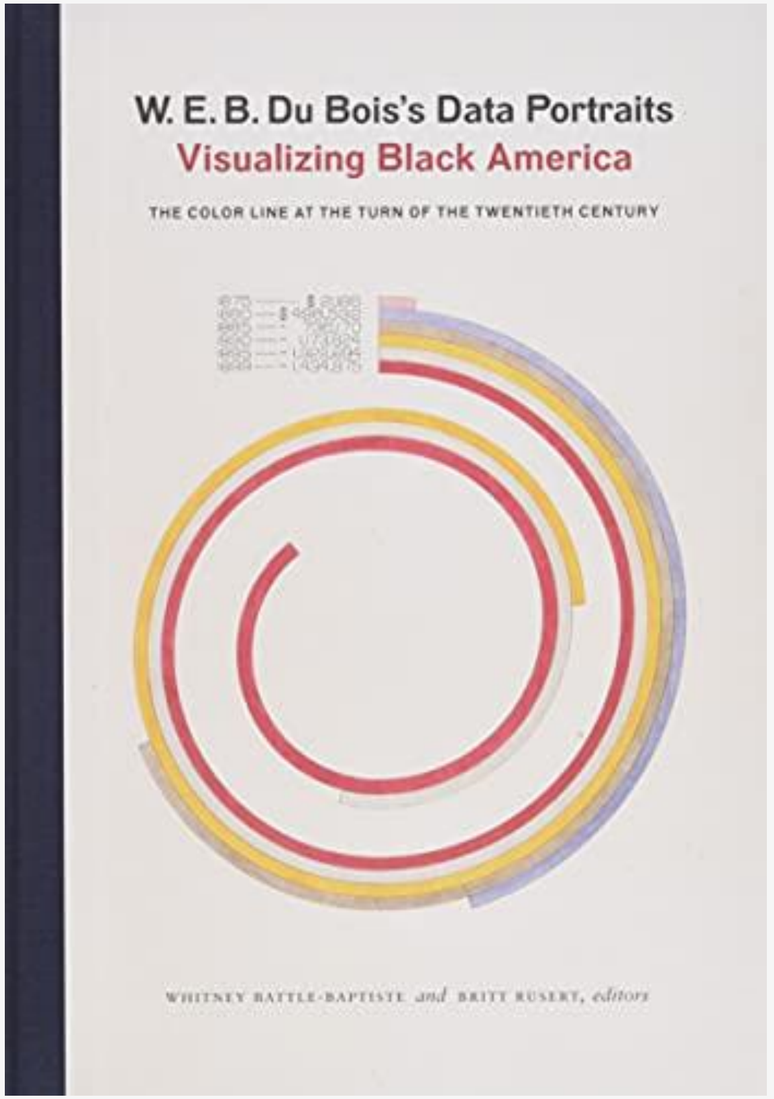
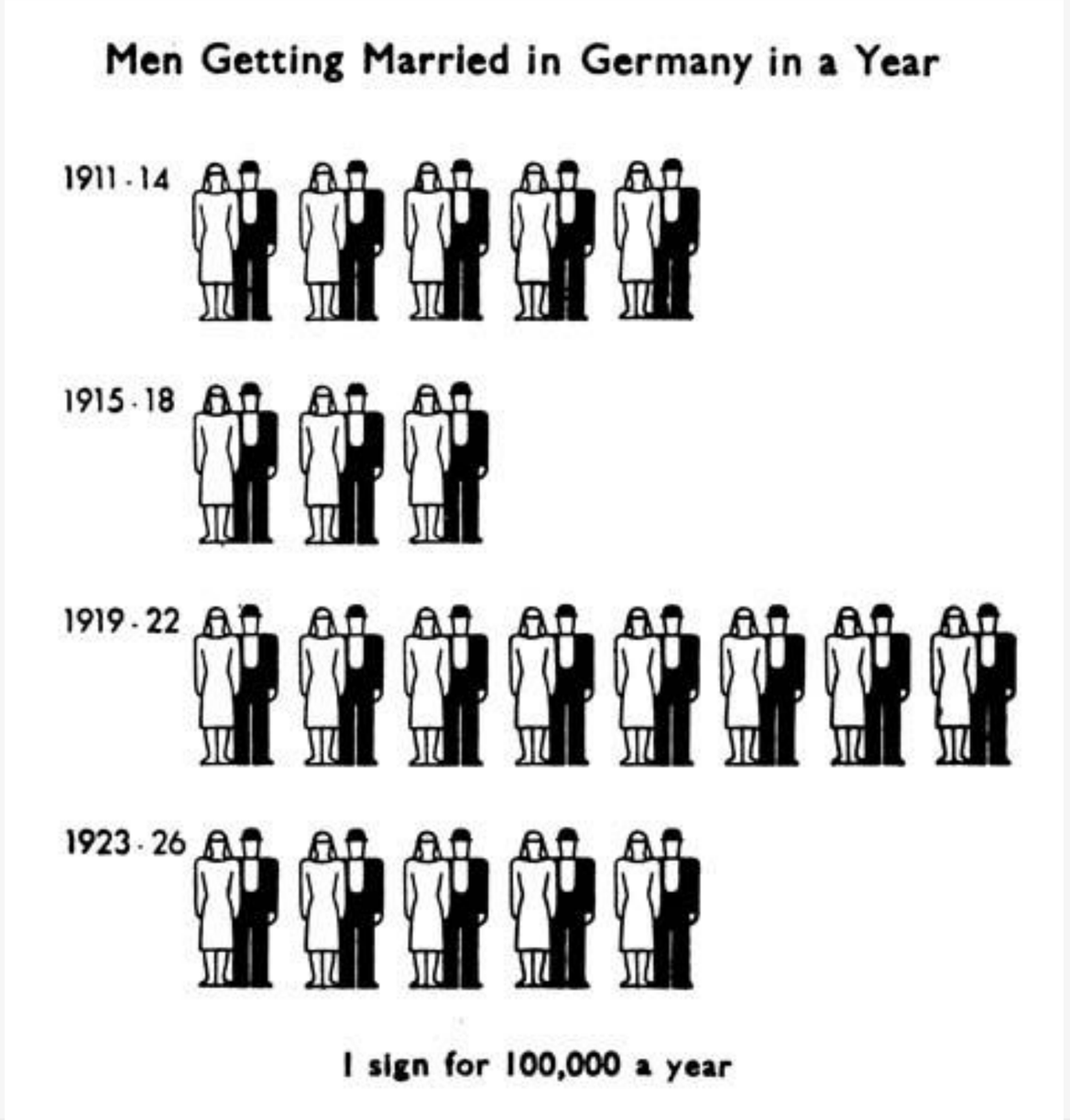
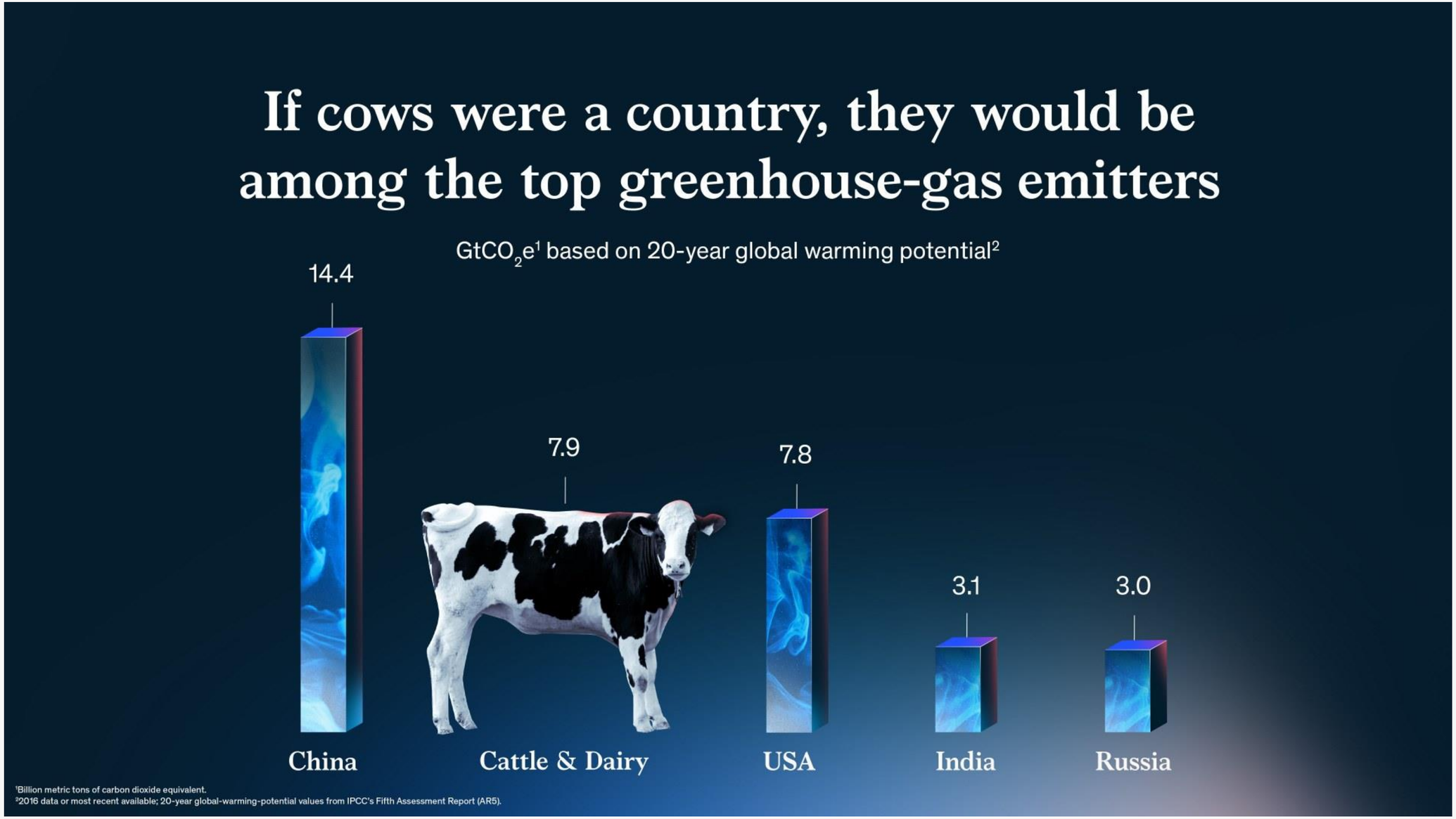


20th CENTURY

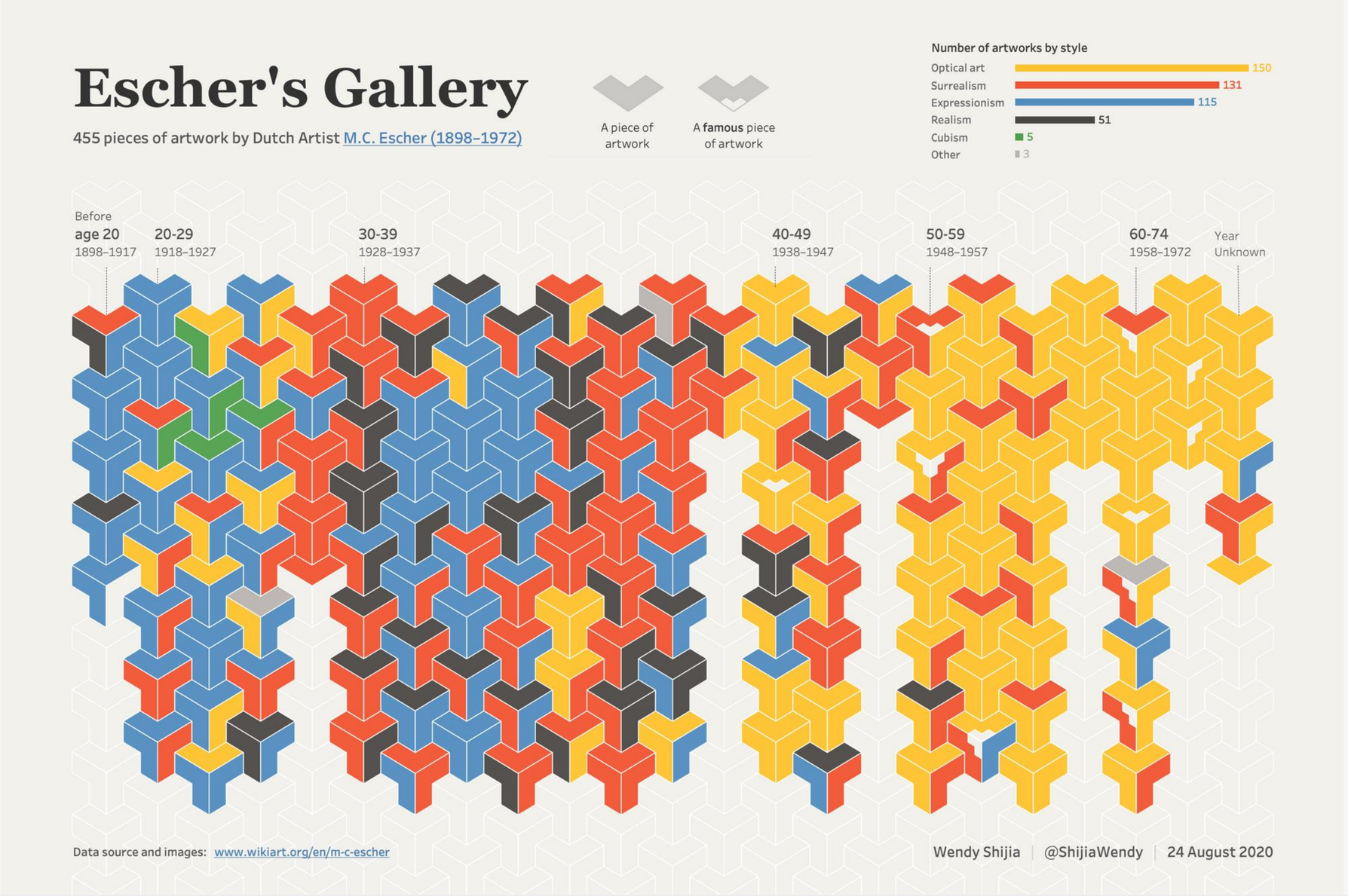


21st CENTURY



Source: McKinsey & Company

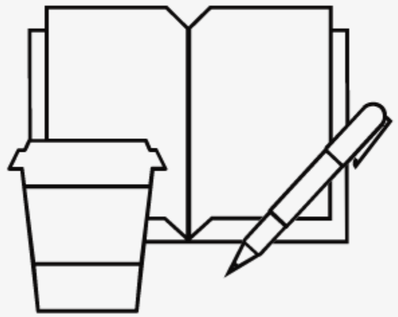
21st CENTURY



Short break!

We start again in 10 minutes...

READINGS



Assignment #2

Final Project

Exercise

1. You are an Analytics Manager and are asked to give a short presentation on the topic **Slums in Urban Areas**. Your audience is a group of **urban planners** who are working with governments to develop sustainable cities and communities.

2. Using the data *set Proportion of urban population living in slums*, **draw a graph** that depicts the trends in urban population living in slums. **Be creative!** Try to go beyond commonly used graphs. Use a less common graph or, why not, come up with a new graph type!

3. Let’s discuss

WHAT DID YOU LEARN?