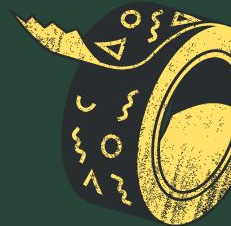




Wstęp do Eksploracji Danych

Politechnika Warszawska

Anna Kozak



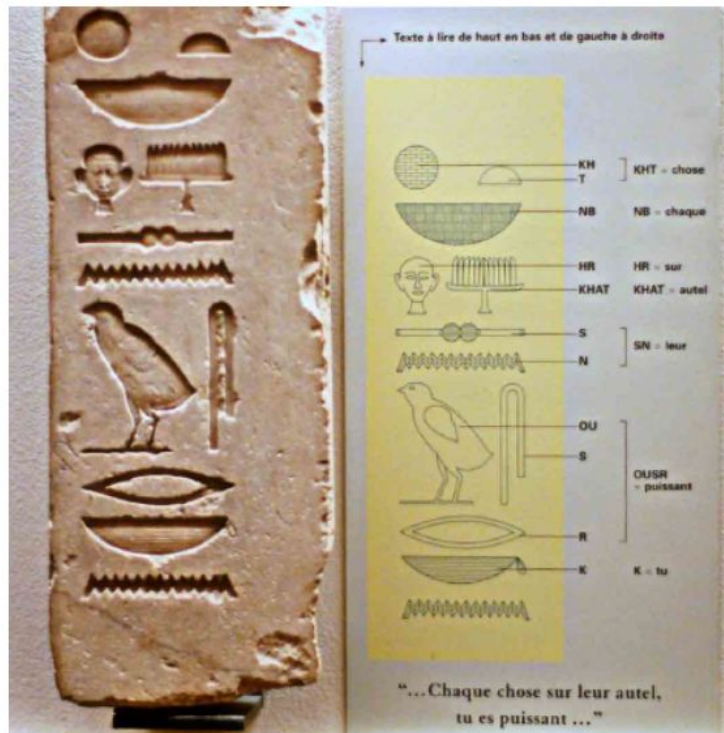
Historia grafiki statystycznej

Zaczniemy bardzo daleko...



... 17 tysięcy lat temu.

Hieroglify



Tekst należy czytać od lewej do prawej, z góry na dół.

= rzecz

= wszystkie

= ołtarz

= ich

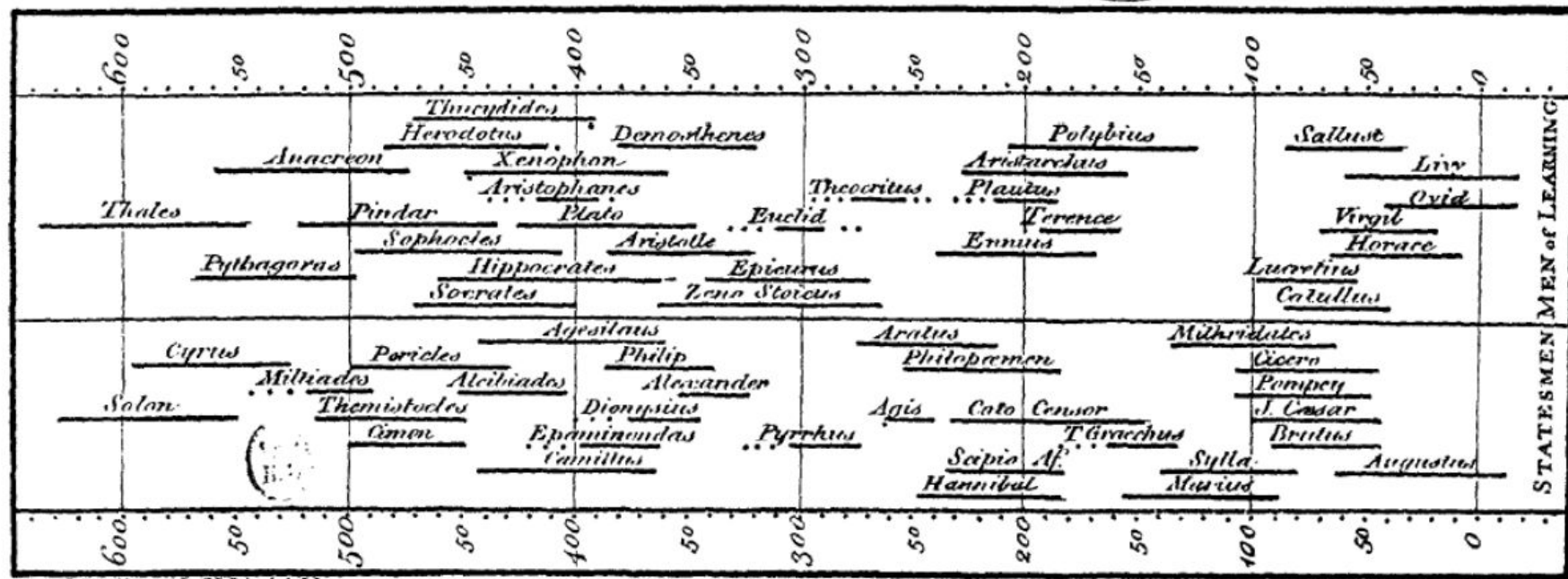
= potężny

= ty

= Wszystko na ich ołtarz, jesteś potężny

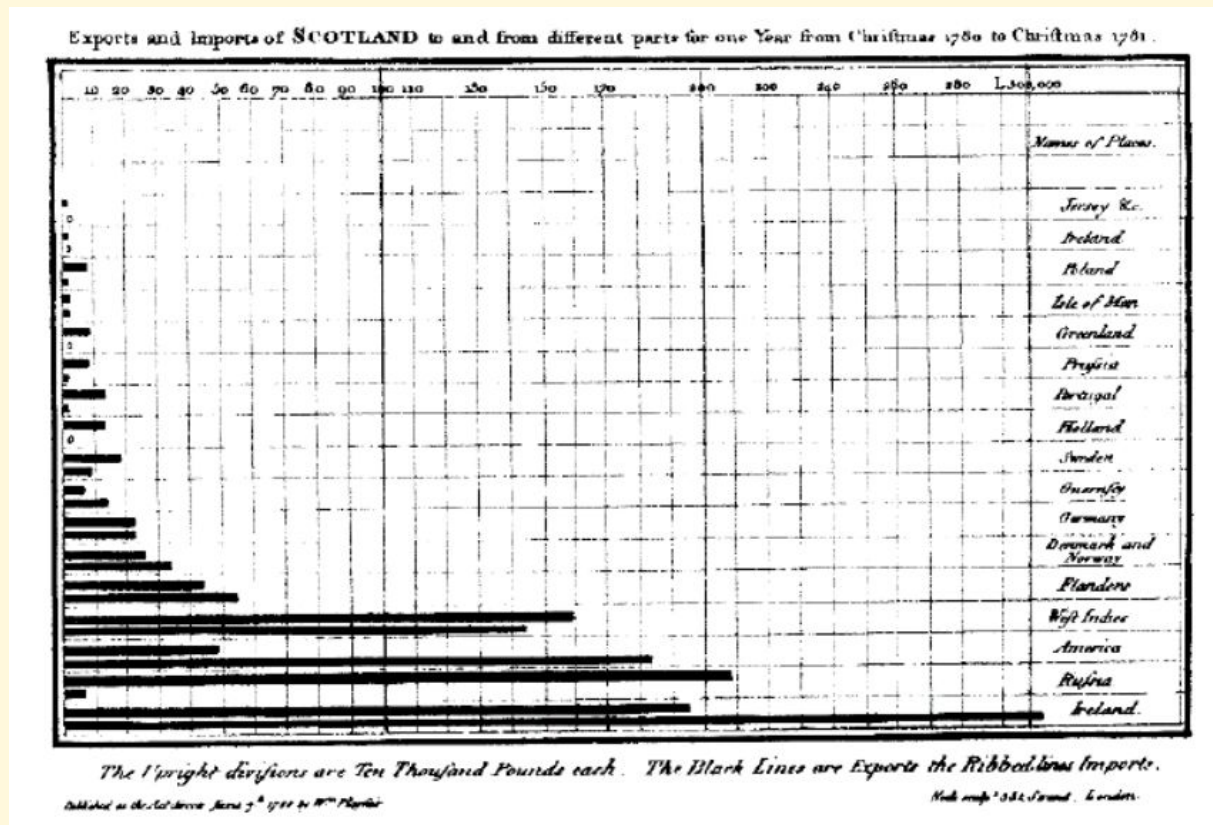
Joseph Priestley

A Specimen of a Chart of Biography.

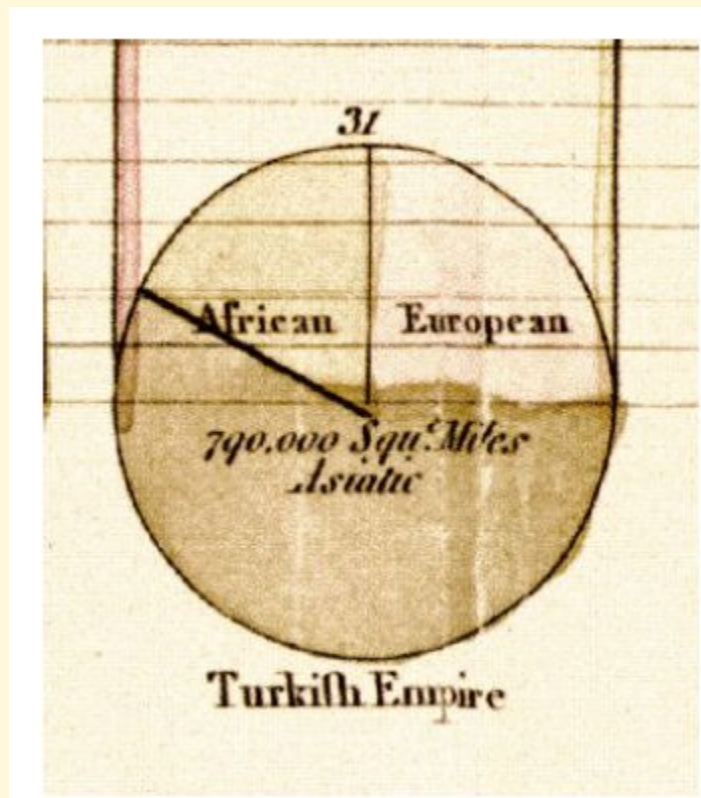


J. Priestley L.L.D. F.R.S. inv. et del.

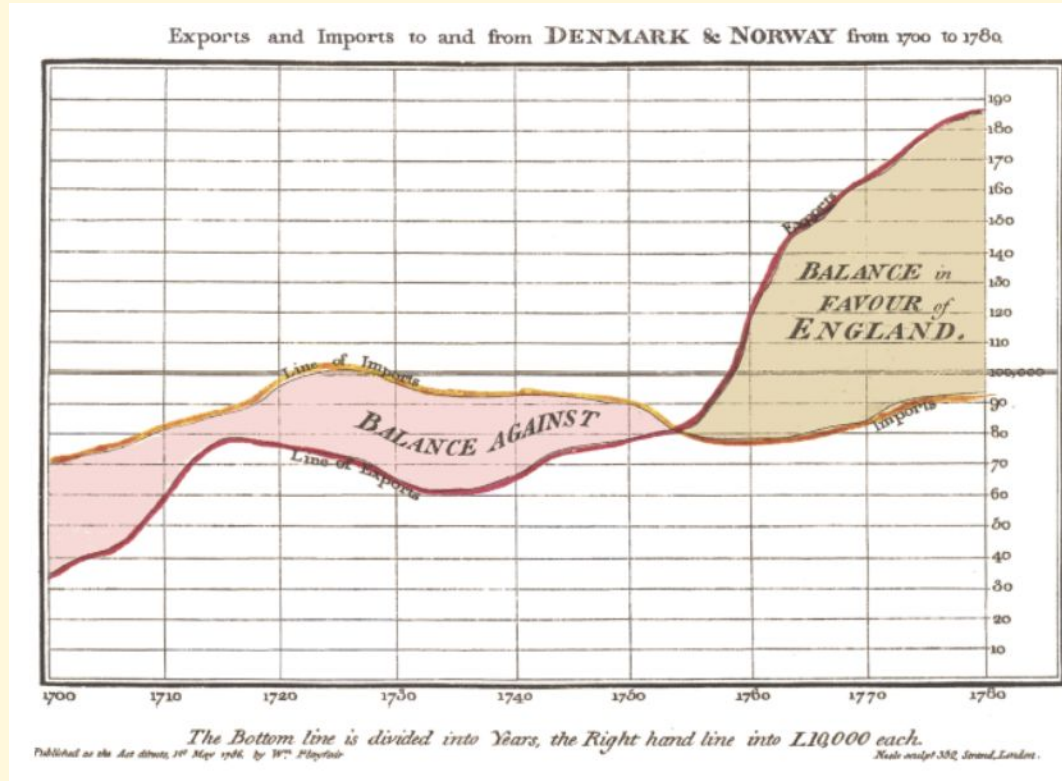
William Playfair



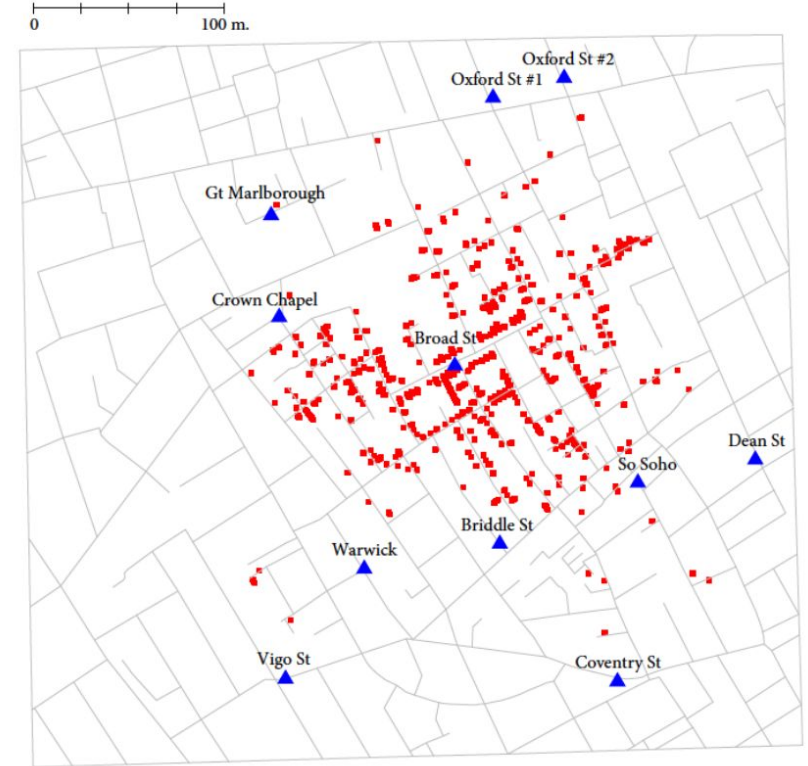
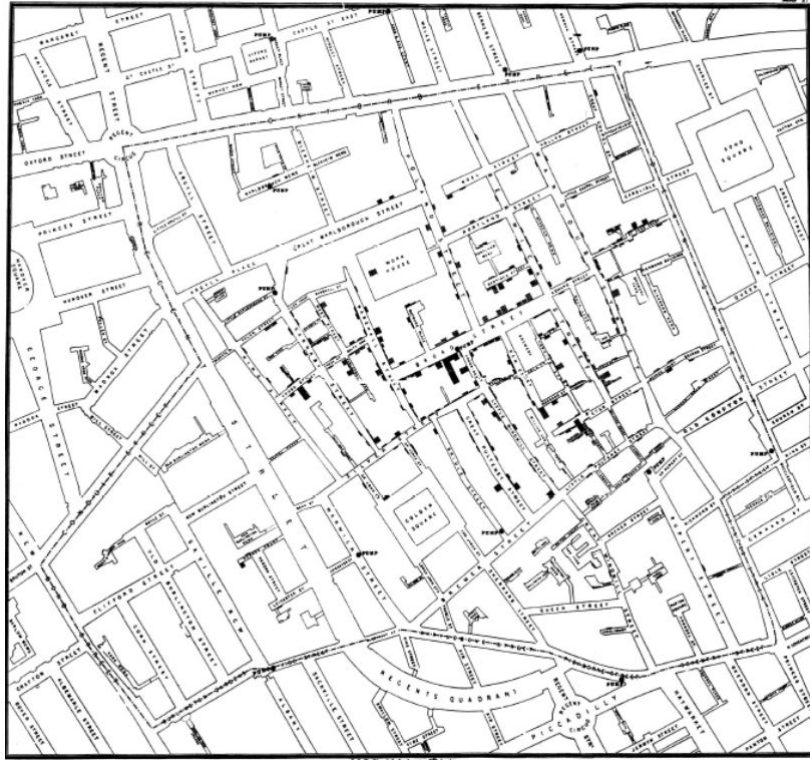
William Playfair



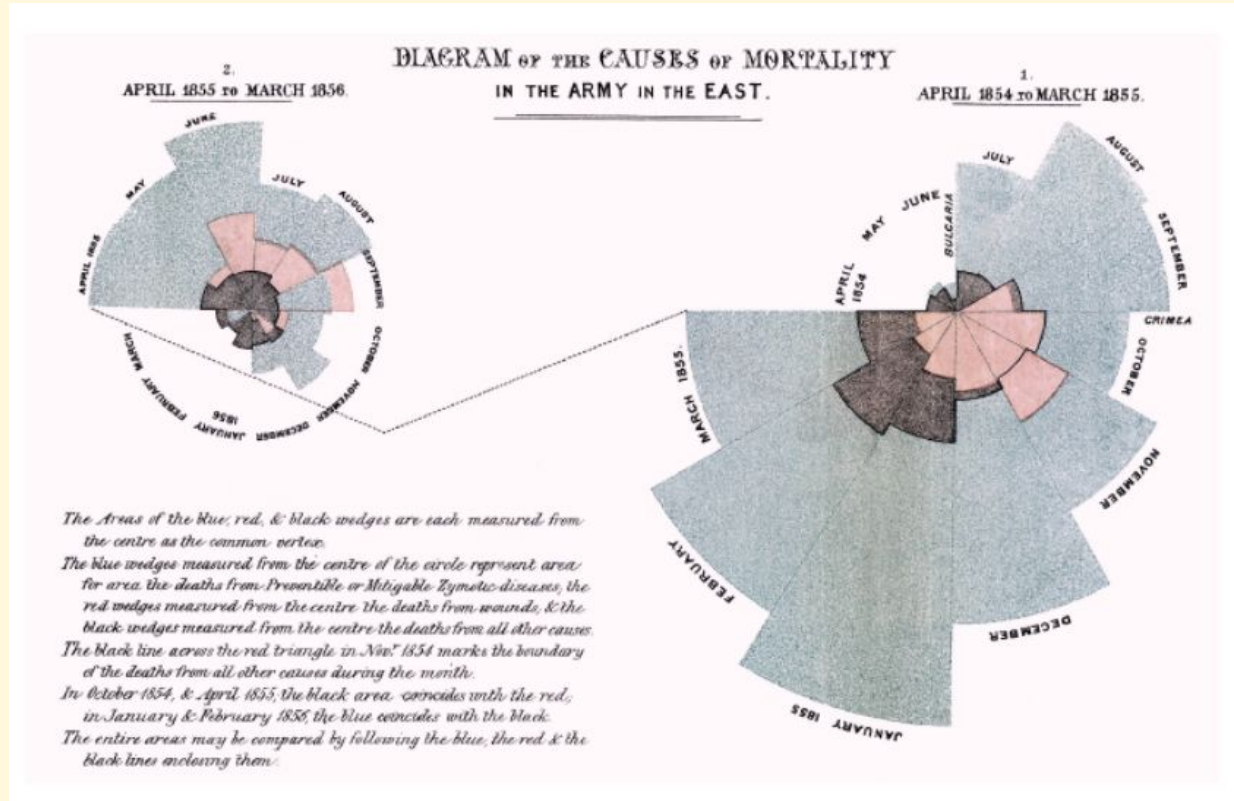
William Playfair



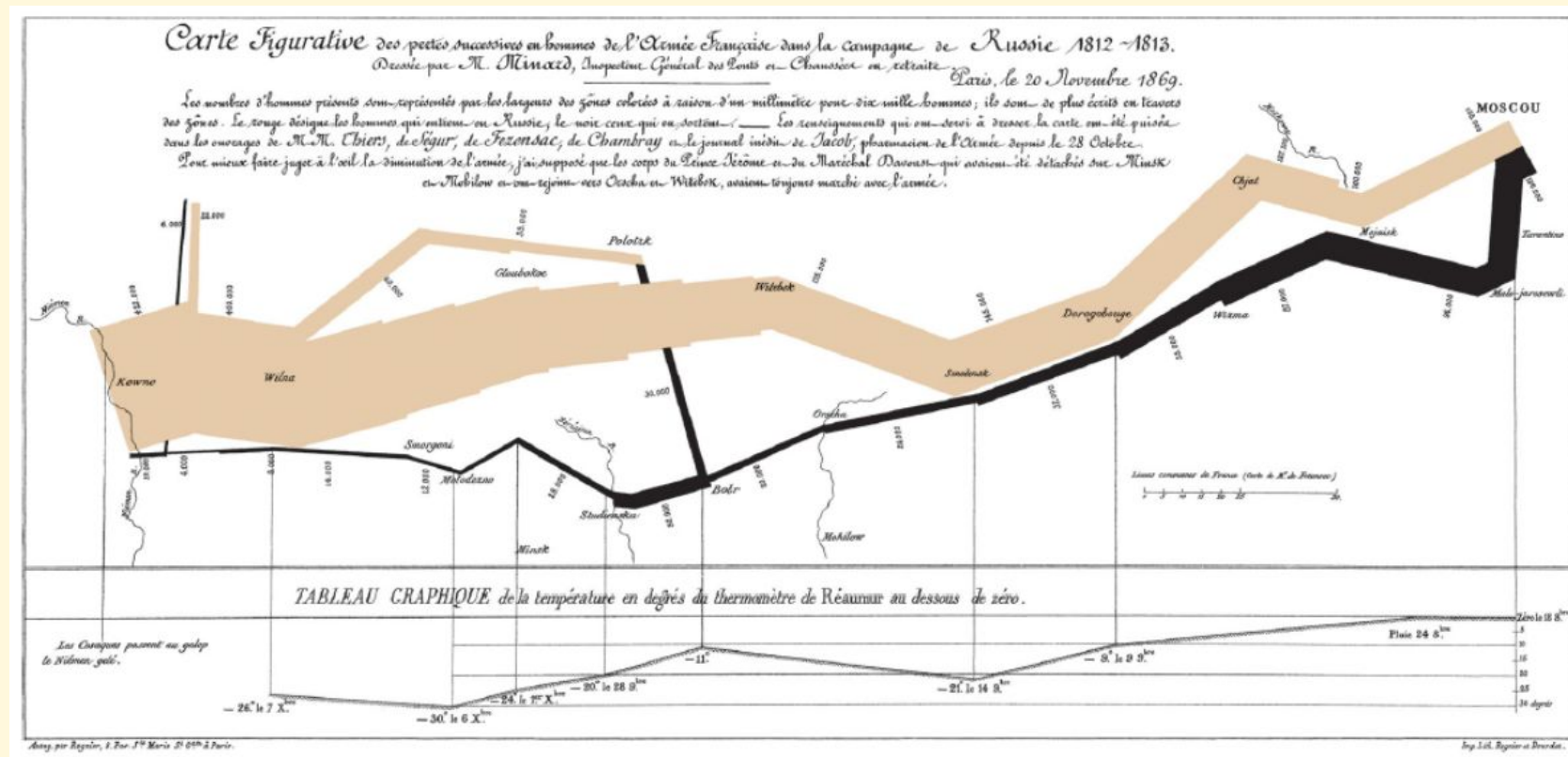
John Snow

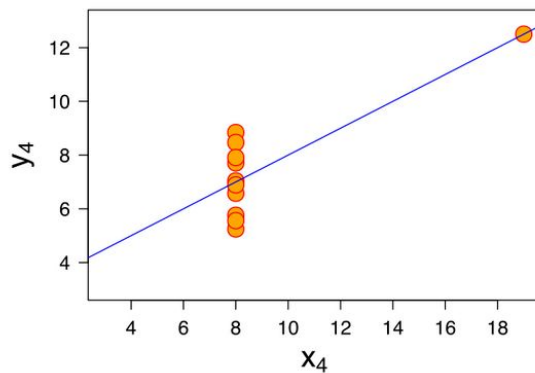
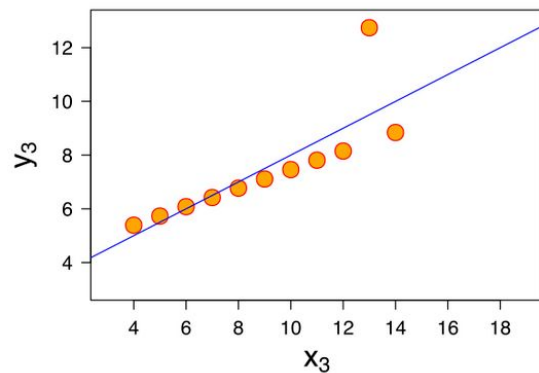
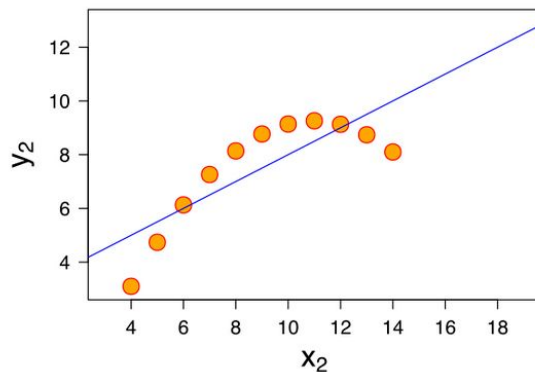
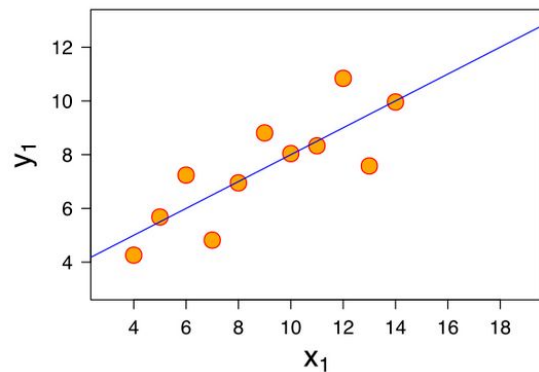


Florence Nightingale



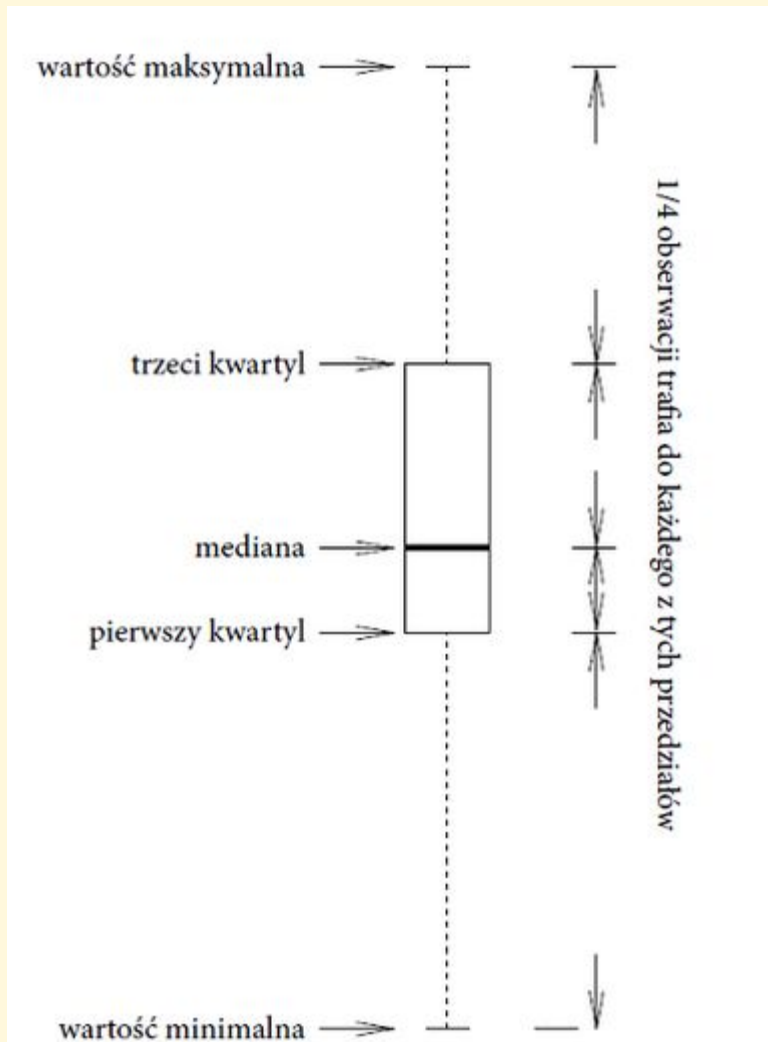
Charles Minard





Kwartet Anscombe'a

John Tukey



Edward Tufte

www.edwardtufte.com

