

Techniki Wizualizacji Danych



Politechnika Warszawska

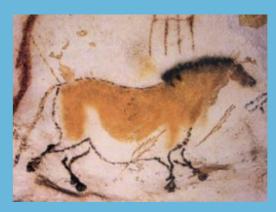
Anna Kozak

Historia grafiki statystycznej

Zacznijmy bardzo daleko...

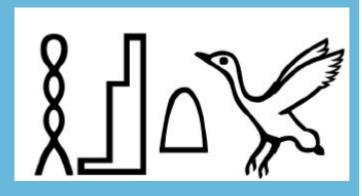


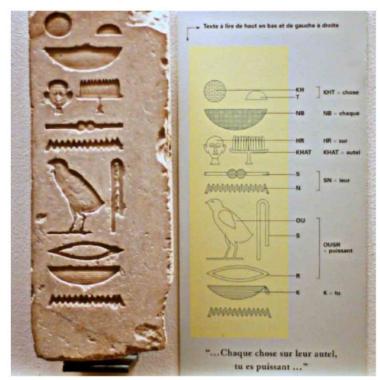




... 17 tysięcy lat temu.

Hieroglify

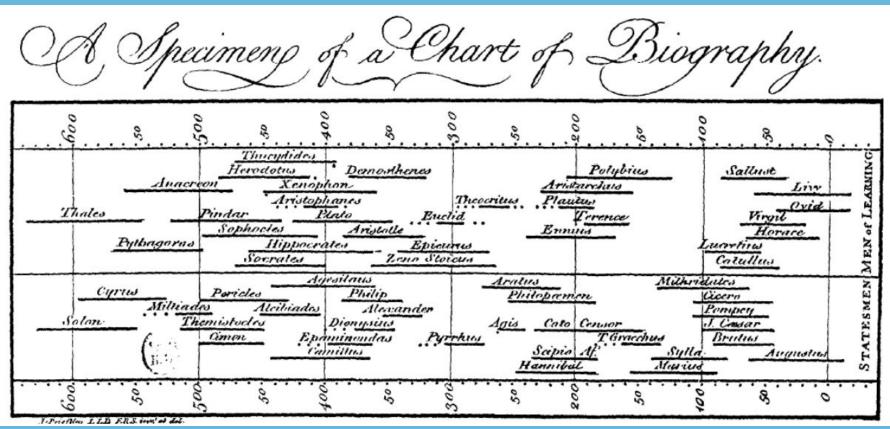




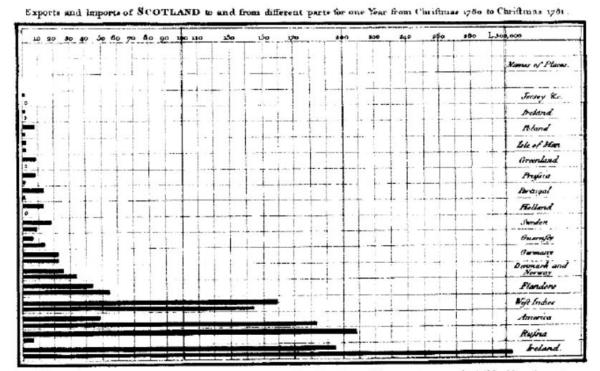
Tekst należy czytać od lewej do prawej, z góry na dół.

- = rzecz
- = wszystkie
- = oltarz
- = ich
- = potężny
- = ty
- Wszystko na ich ołtarz, jesteś potężny

Joseph Priestley

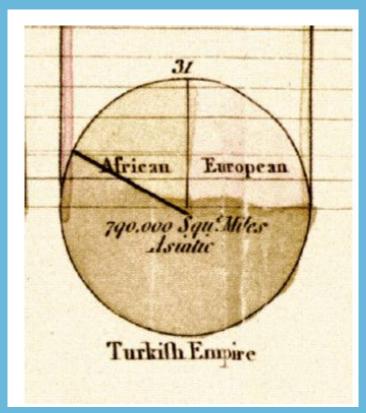


William Playfair

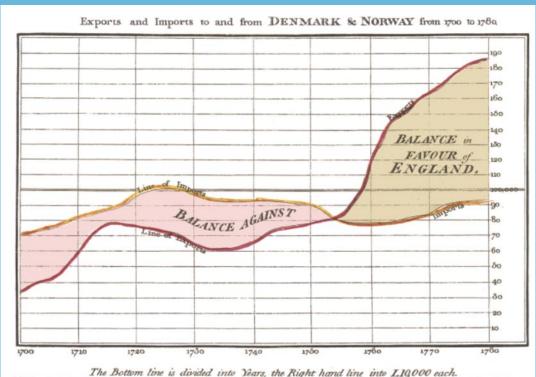


The I pright dirifiers are Ten Thoujand Pounds each. The Black Lines are Exports the Ribbedlines Imports.

William Playfair



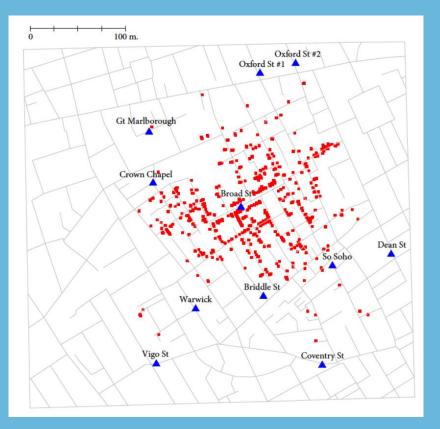
William Playfair



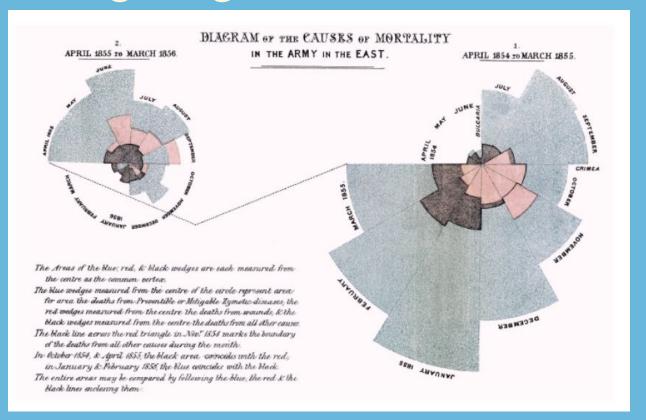
The Bottom line is divided into Years, the Right hand line into L10,000 each. Naple sealpt 352, Serend, London.

John Snow

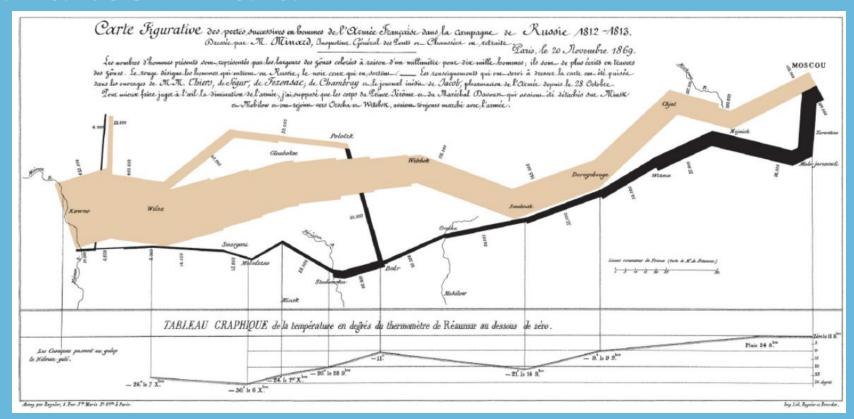




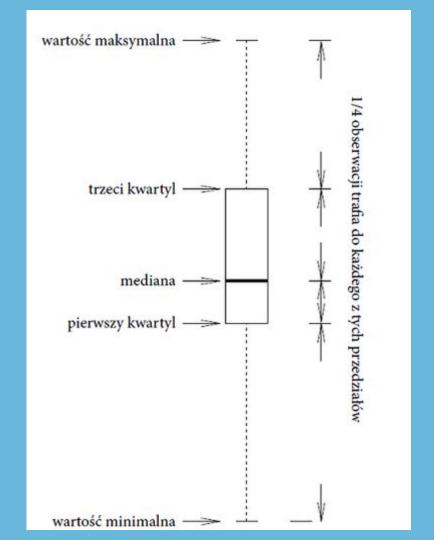
Florence Nightingale

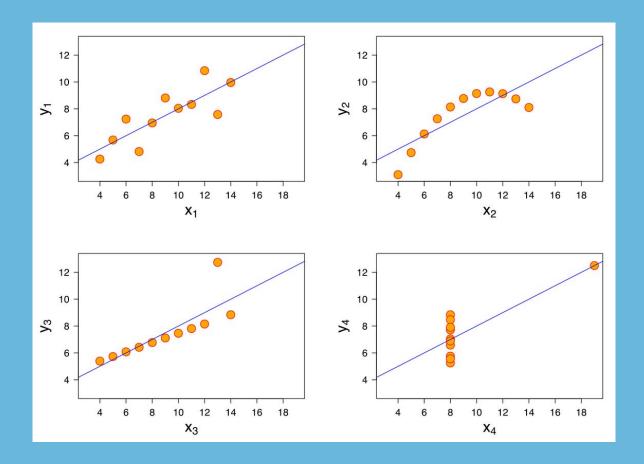


Charles Minard



John Tukey





Kwartet Anscombe'a

Edward Tufte

www.edwardtufte.com

