# Group Discussion 1

**Historical Visualizations** 

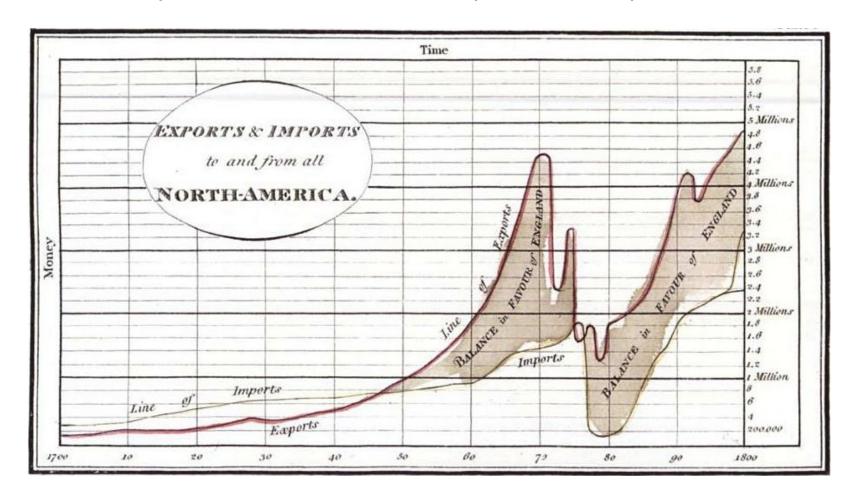
#### The beginning of more familiar visualizations?

With the advent of what we now term statistics and probability theory, more familiar visualizations become popular - let's take a look at these in small groups. We will assign you to Zoom rooms to discuss this.

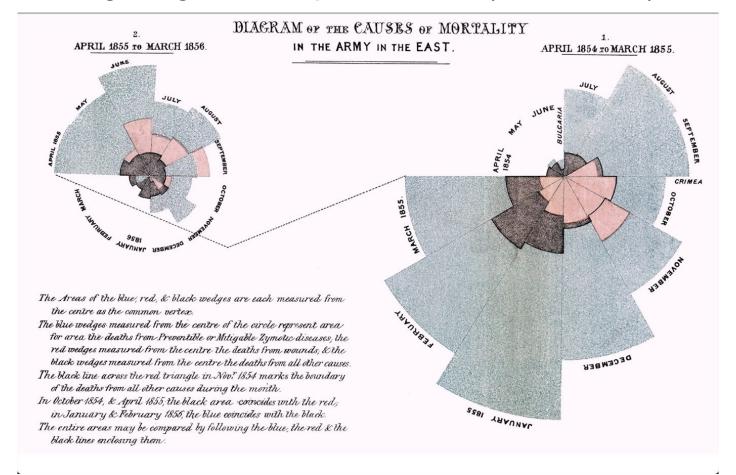
#### In your zoom room discuss:

- 1) What these graphics are conveying (best guess)?
- 2) What you find familiar about them / unfamiliar?
- 3) What do you find confusing, what do you find interesting?

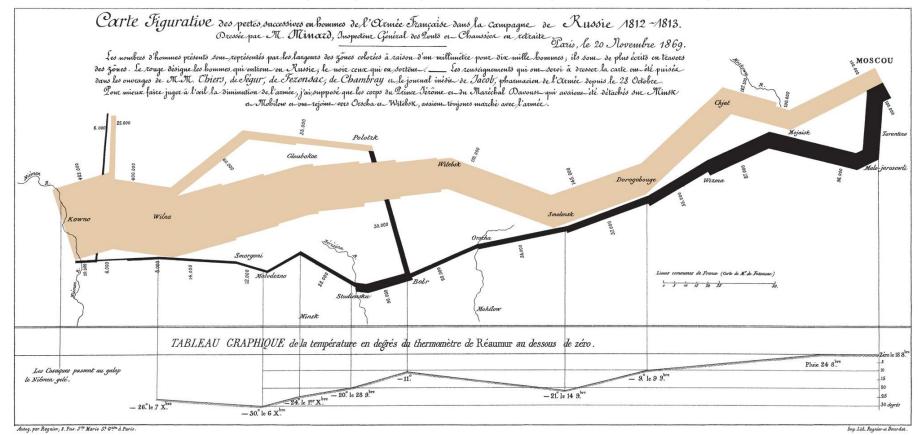
#### William Playfair's Charts - 1786 (GROUP 1)



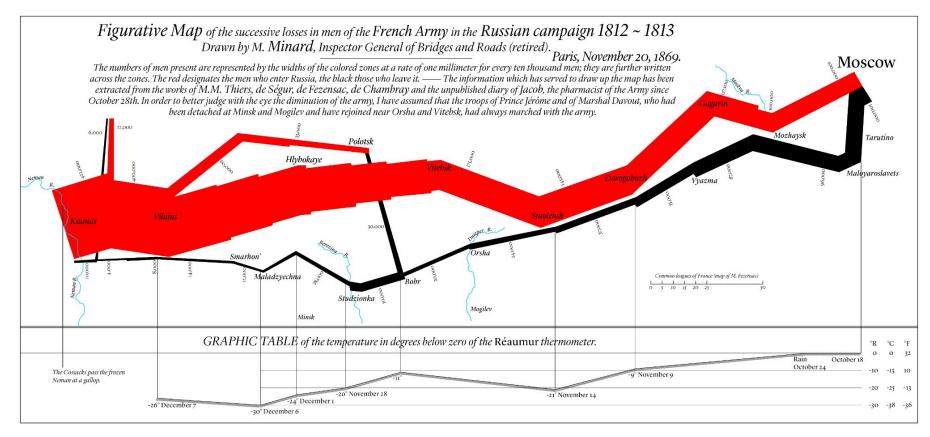
#### Florence Nightingale's Report ~1858 (GROUP 2)



### The "Minard Map" (original) - 1869 (GROUP 3)



#### The "Minard Map" (English version) - 1869 (GROUP 3)



## Group Discussion 2

Aspects of Data Visualization

#### Let's put this into action -

We will first watch this video:

http://players.brightcove.net/679256133001/NkgrDczuol\_default/index.html?videoId=5373954480001

This won the NSF Expert's Choice award in 2017 for best video visualization.

Then we will split into small groups to discuss how the designers of this video used for various aspects of this video.

- Composition
- Abstraction
- Color
- Layering
- Refining

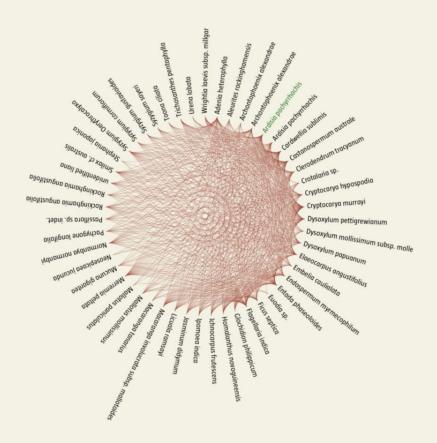
#### Anonychomyrma gilberti Camponotus spp. 'nocturnal' Camponotus vitreus Camponotus sp.1 (macrocephalus gp.) Camponotus sp.6 (gasseri ap.) Crematogaster aff. fusca Crematogaster aff. pythia Crematogaster sp.3 Echinopla australis Leptomyrmex unicolor Monomorium fieldi var. laeve nigrius Monomorium floricola Odontomachus cephalotes Oecophylla smaragdina Paratrechina yaga ap. Paratrechina minutula gp. Monomorium cf. intrudens Pheidole aff. impressiceps Pheidole aff. platypus Pheidole sp.1 Podomyrma sp.1 Polyrhachis (Cyrtomyrma) Polyrhachis (Hedomyrma) cupreata Polyrhachis (Myrmothrinax) delicata Polyrhachis (Myrma) foreli Polyrhachis (Myrmhopla) mucronata Polyrhachis (Hagiomyrma) thusnelda Polyrhachis (Cyrtomyrma) yorkana Polyrhachis (Cyrtomyrma) 'Cyrto 03' Polyrhachis (Cyrtomyrma) 'Cyrto 06' Polyrhachis (Cyrtomyrma) 'Cyrto 08' Rhoptromyrmex wroughtonii Rhytidoponera spoliata Strumigenys guttulata Tapinoma melanocephalum Tapinoma minutum qp. Technomyrmex albipes gp. Tetramorium insolens Tetramorium validiusculum Tetraponera nitida Turneria bidentata



Adenia heterophylla Aleurites rockinghamensis Archontophoenix alexandrae Archontophoenix alexandrae - Ardisia pachyrrhachis Ardisia pachyrrhachis Cardwellia sublimis Castanospermum australe Clerodendrum tracyanum Crotalaria sp. Cryptocarya hypospodia Cryptocarya murrayi Dysoxylum pettigrewianum Dysoxylum mollissimum subsp. molle Dysoxylum papuanum Elaeocarpus angustifolius Embelia caulialata Endospermum myrmecophilum Entada phaseoloides Euodia sp. Ficus septica - Flagellaria indica Glochidion philippicum Homalanthus novoquineensis Ichnocarpus frutescens Ipomoea indica Jasminum didymum Licuala ramsayi Macaranga involucrata subsp. mallotoides Macaranga tanarius Mallotus mollissimus Mallotus paniculatus Merremia peltata Mucuna gigantea Neosepicaea jucunda Normanbya normanbyi Pachygone longifolia Passiflora sp. indet. Rockinghamia angustifolia Rockinghamia angustifolia unidentified liana Smilax cf. australis Stephania japonica Syzygium Oerythrocalyxo Syzygium cormiflorum Syzygium gustavioides Syzygium sayeri Toona ciliata

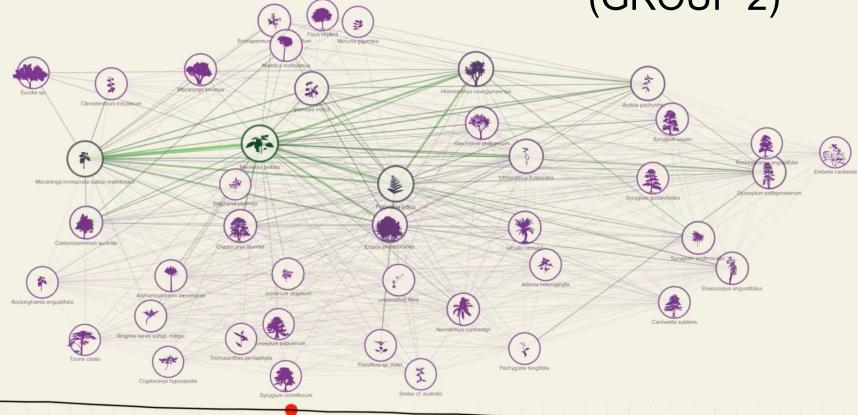
Trichosanthes pentaphylla Urena lobata Wrightia laevis subsp. millgar

### (GROUP 1)





### (GROUP 2)



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