Graphic formats and genres (3)

Dr. Lily Díaz
Professor
Aalto University School of Art and Design
Department of Media, Media Lab

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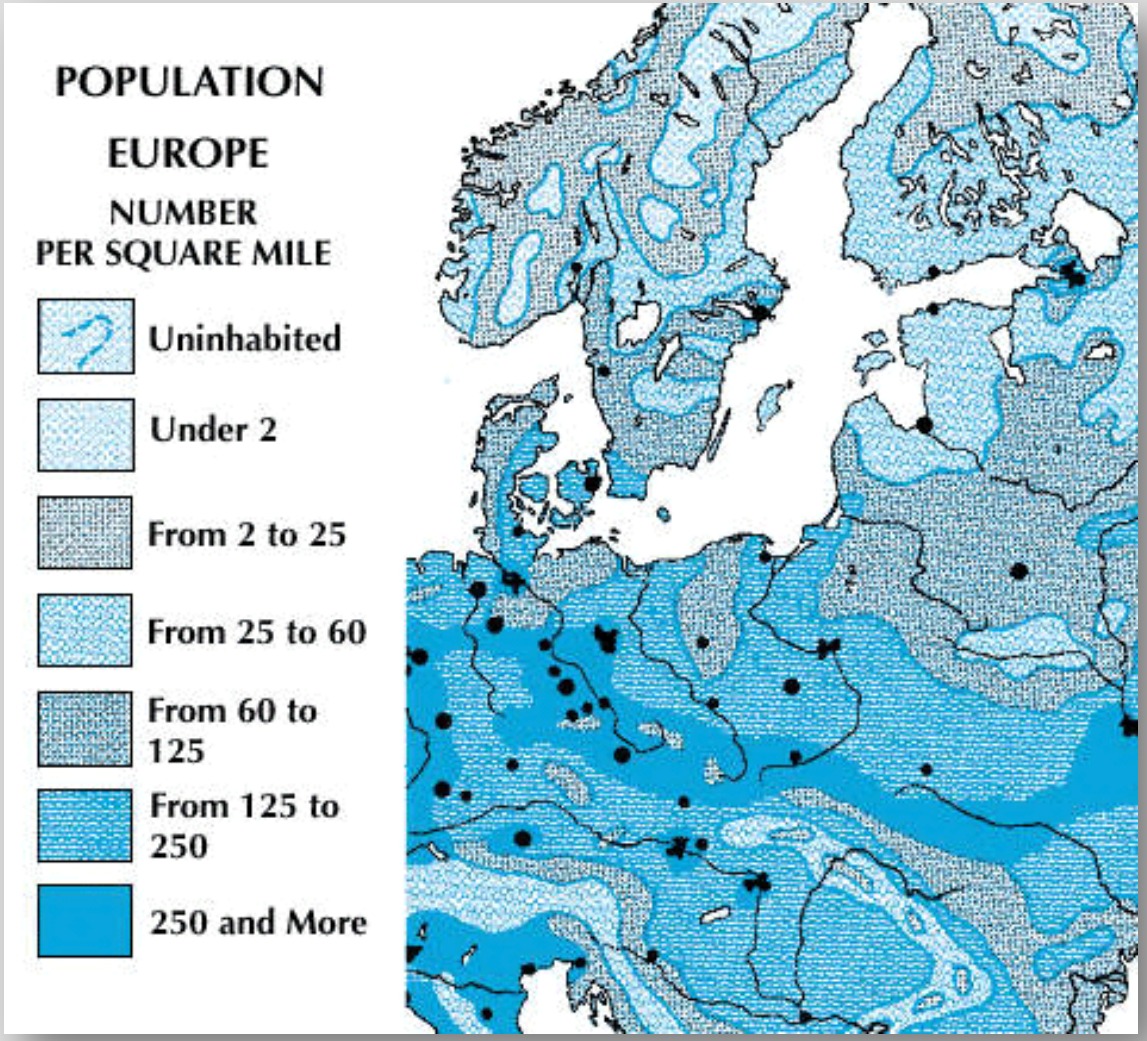
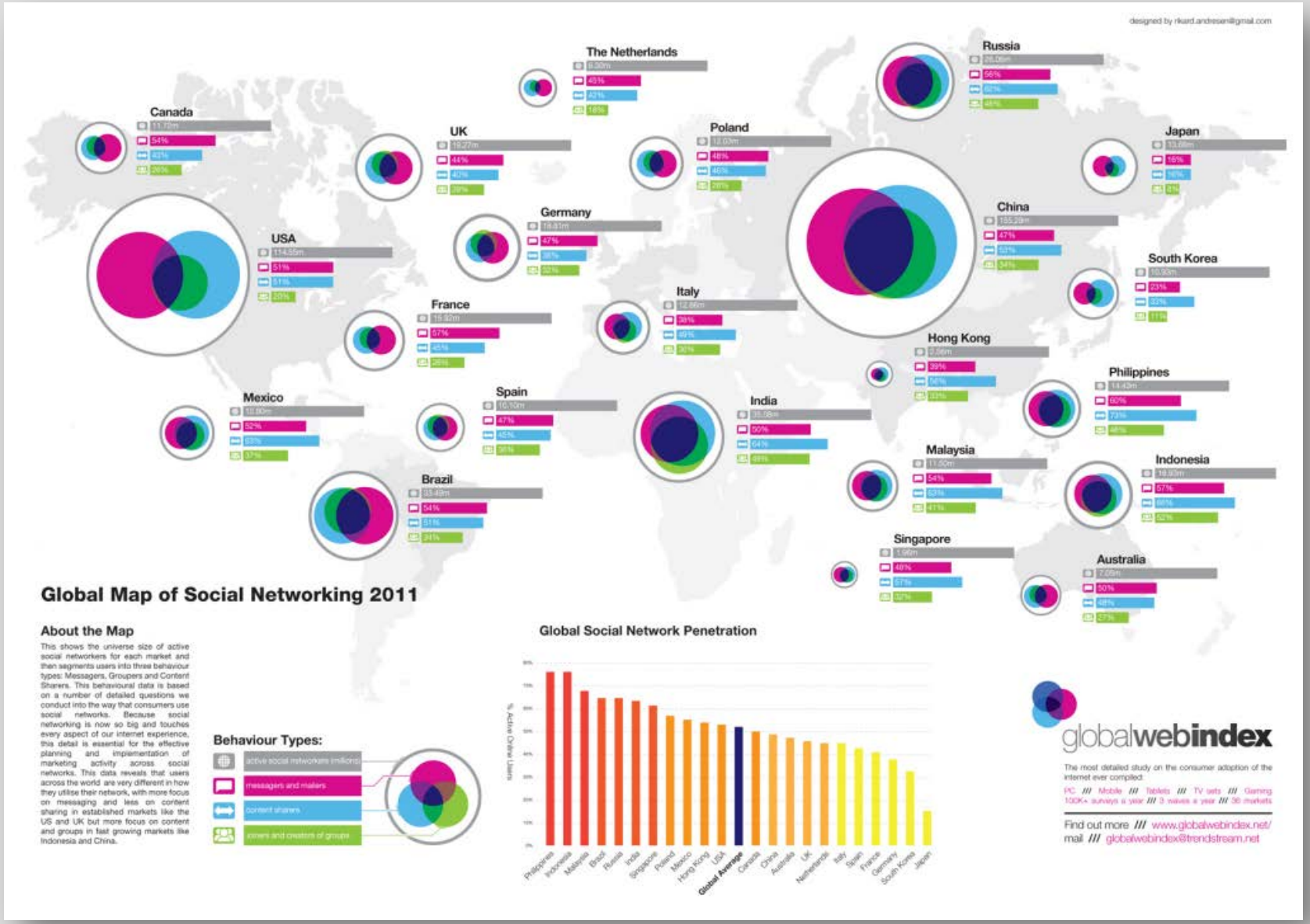
3 Functions of graphic representation

- To record information (which avoids the effort of memorization.
- To communicate information.
- To process information.

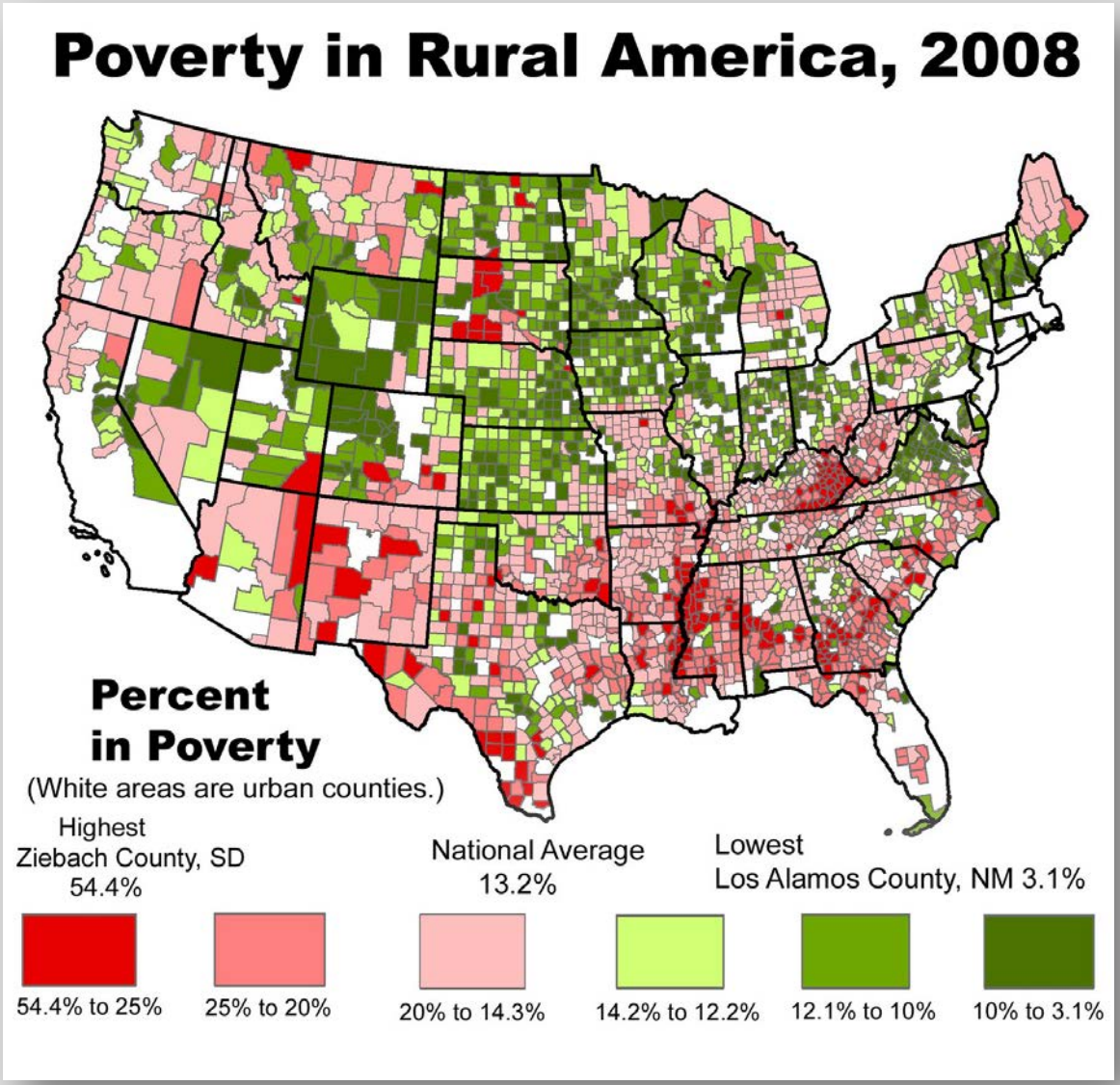
Statistical maps



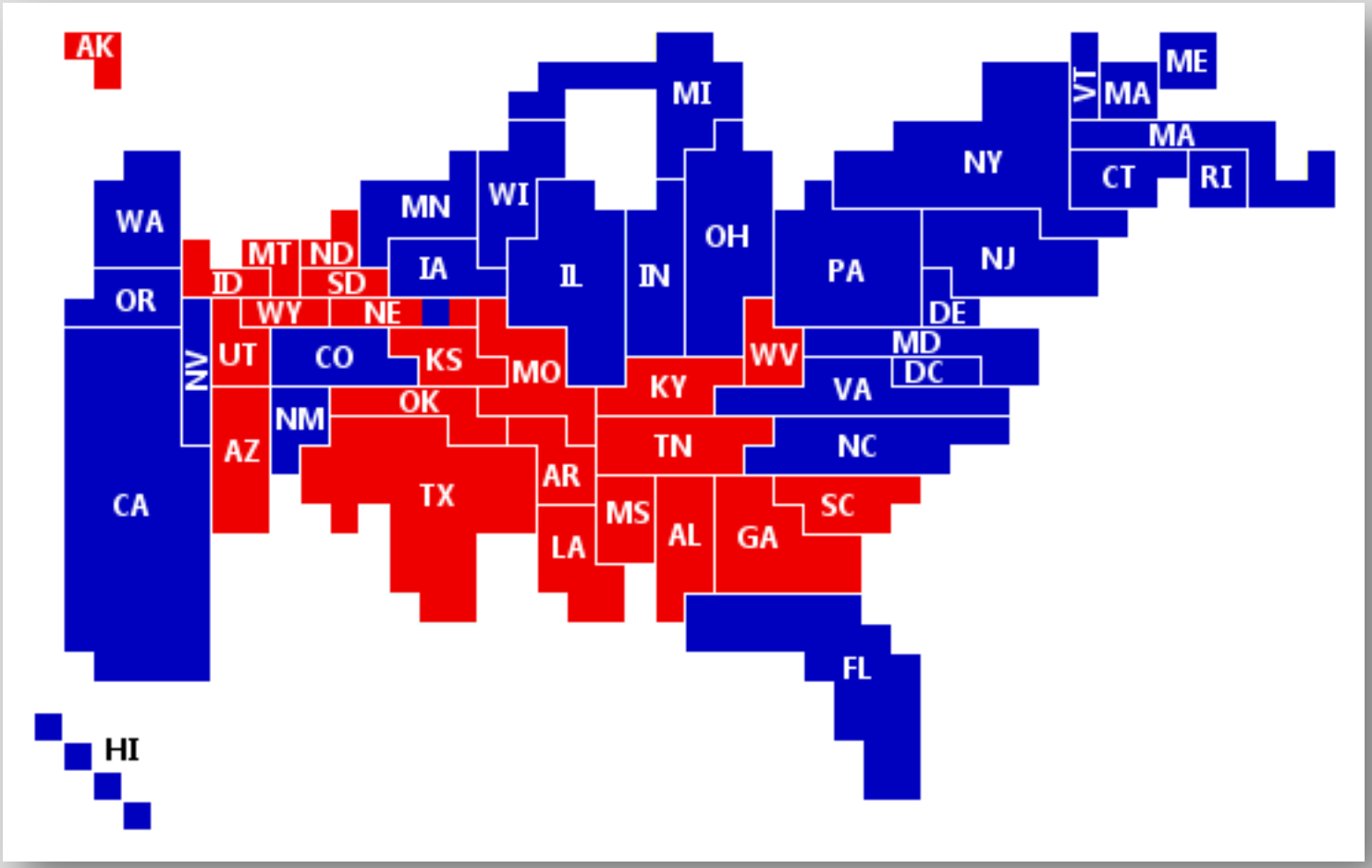
Statistical maps



Choropleth maps



Cartogram


AK
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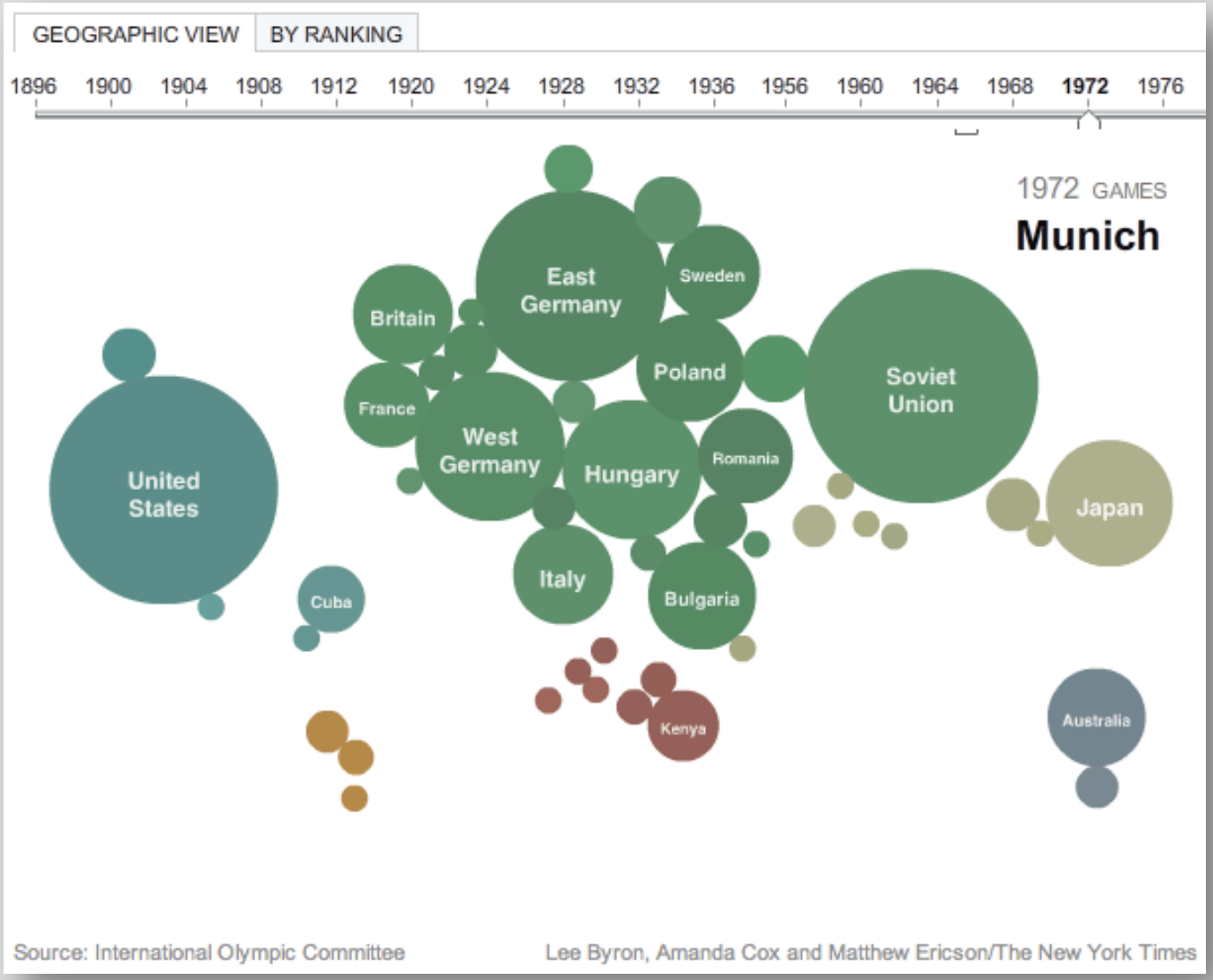
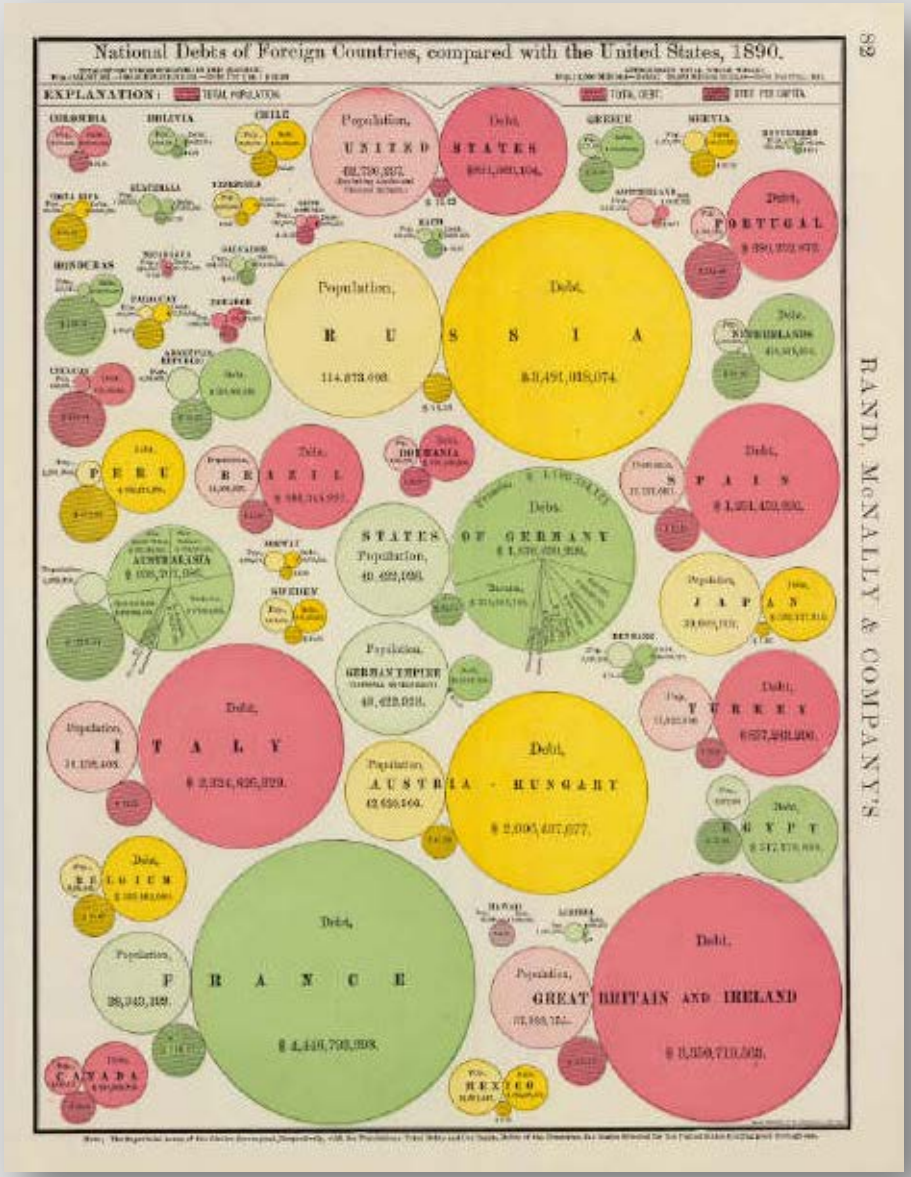
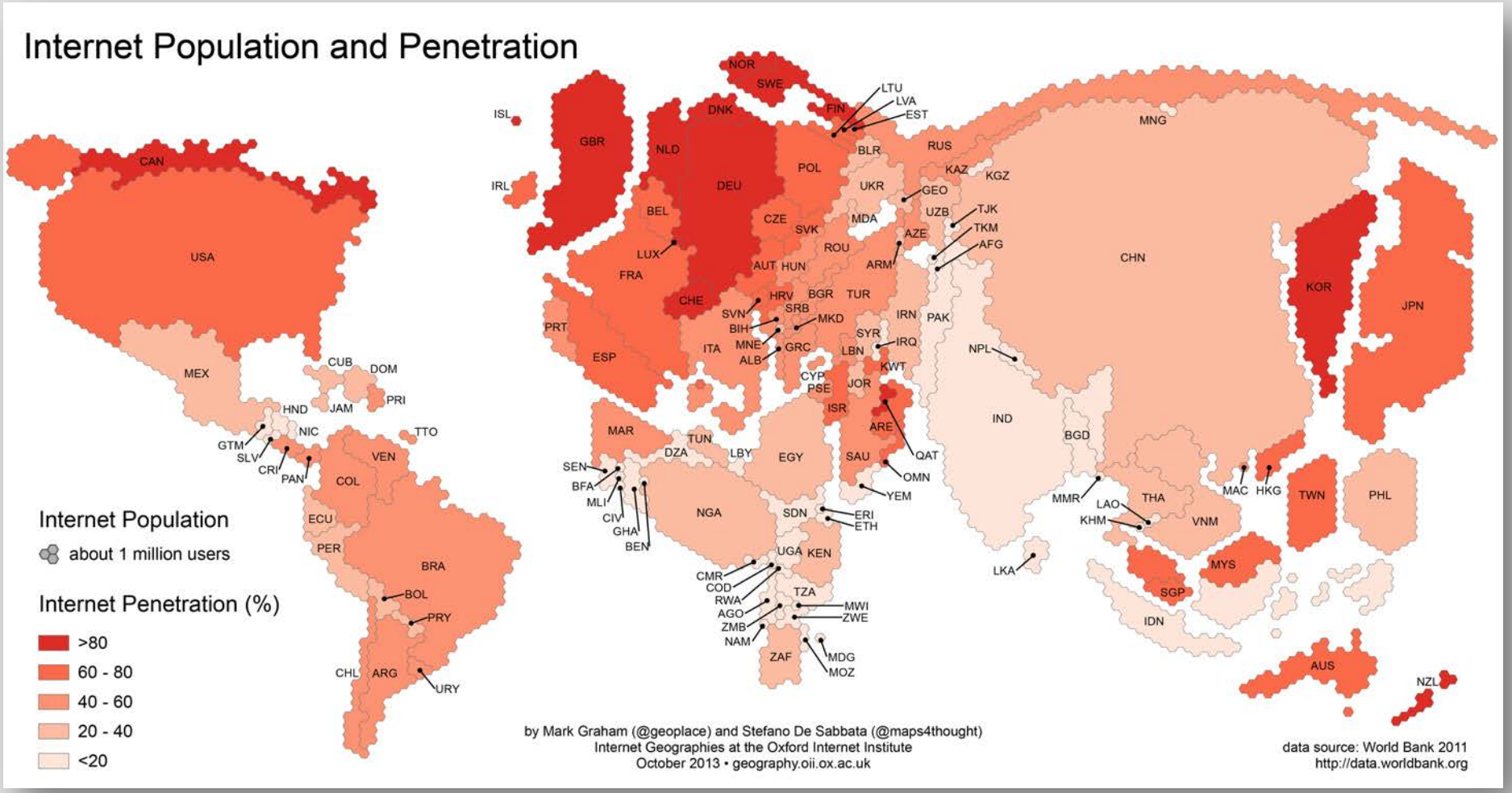
Cartogram


GEOGRAPHIC VIEW
BY RANKING
1896 1900 1904 1908 1912 1920 1924 1928 1932 1936 1956 1960 1964 1968 1972 1976
1972 GAMES
Munich
East Germany
Sweden
Britain
Poland
France
West Germany
Hungary
Romania
Soviet Union
United States
Japan
Italy
Cuba
Bulgaria
Kenya
Australia
Source: International Olympic Committee
Lee Byron, Amanda Cox and Matthew Ericson/The New York Times

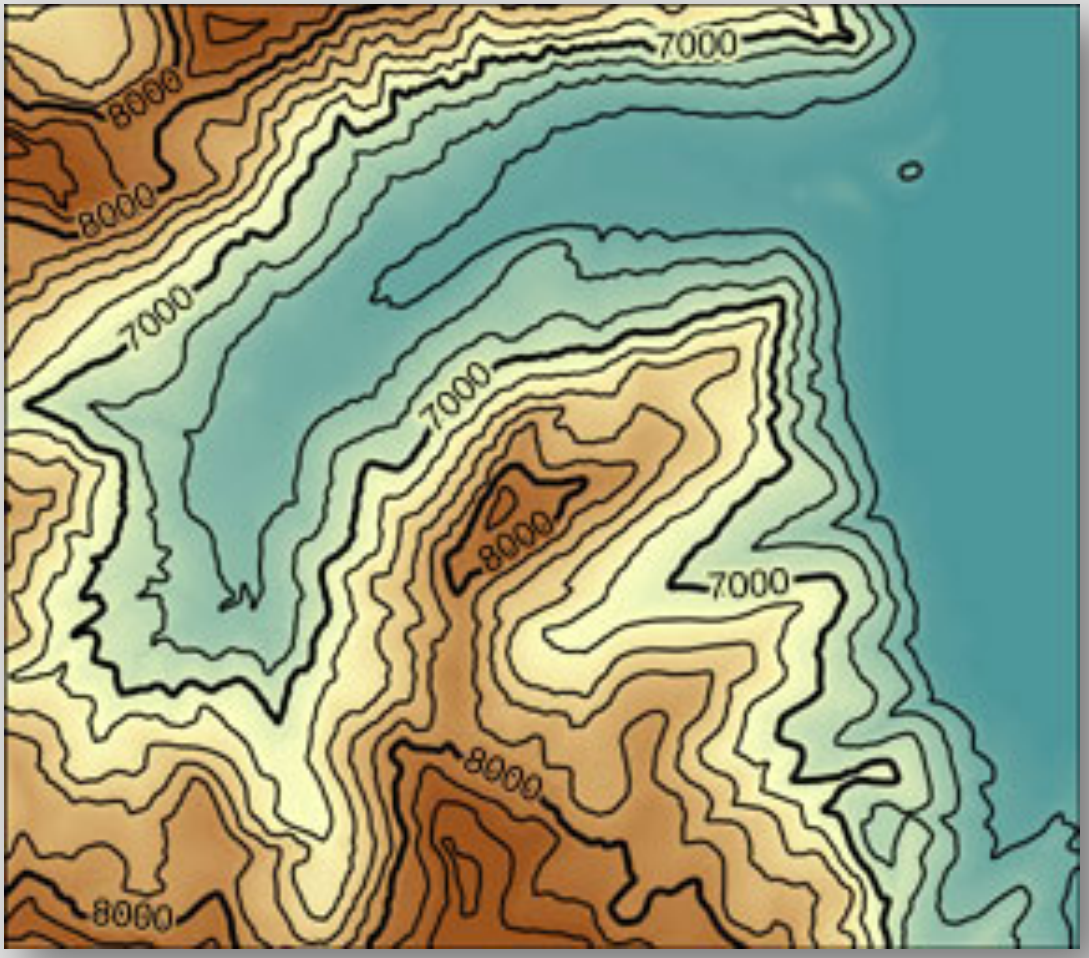
Cartogram


National Debts of Foreign Countries, compared with the United States, 1890.
EXPLANATION:
Population, UNITED STATES
Debt, $ 1,551,000,104.
Population, RUSSIA
Debt, $ 3,491,018,074.
Debt, PORTUGAL
Debt, NETHERLANDS
Debt, SPAIN
Debt, STATES OF GERMANY
Population, 40,422,126.
Population, GERMAN EMPIRE
Debt, ITALY
Population, AUSTRIA - HUNGARY
Debt, $ 2,096,437,677.
Debt, TURKEY
Debt, EGYPT
Debt, BELGIUM
Debt, FRANCE
Population, 38,343,192.
Debt, GREAT BRITAIN AND IRELAND
Population, CANADA
Debt, MEXICO
Debt, PERU
Debt, BRAZIL
Debt, AUSTRALASIA
Debt, SWEDEN
Debt, DOMINIA
Debt, JAPAN
Debt, EGYPT
RAND, McNALLY & COMPANY'S

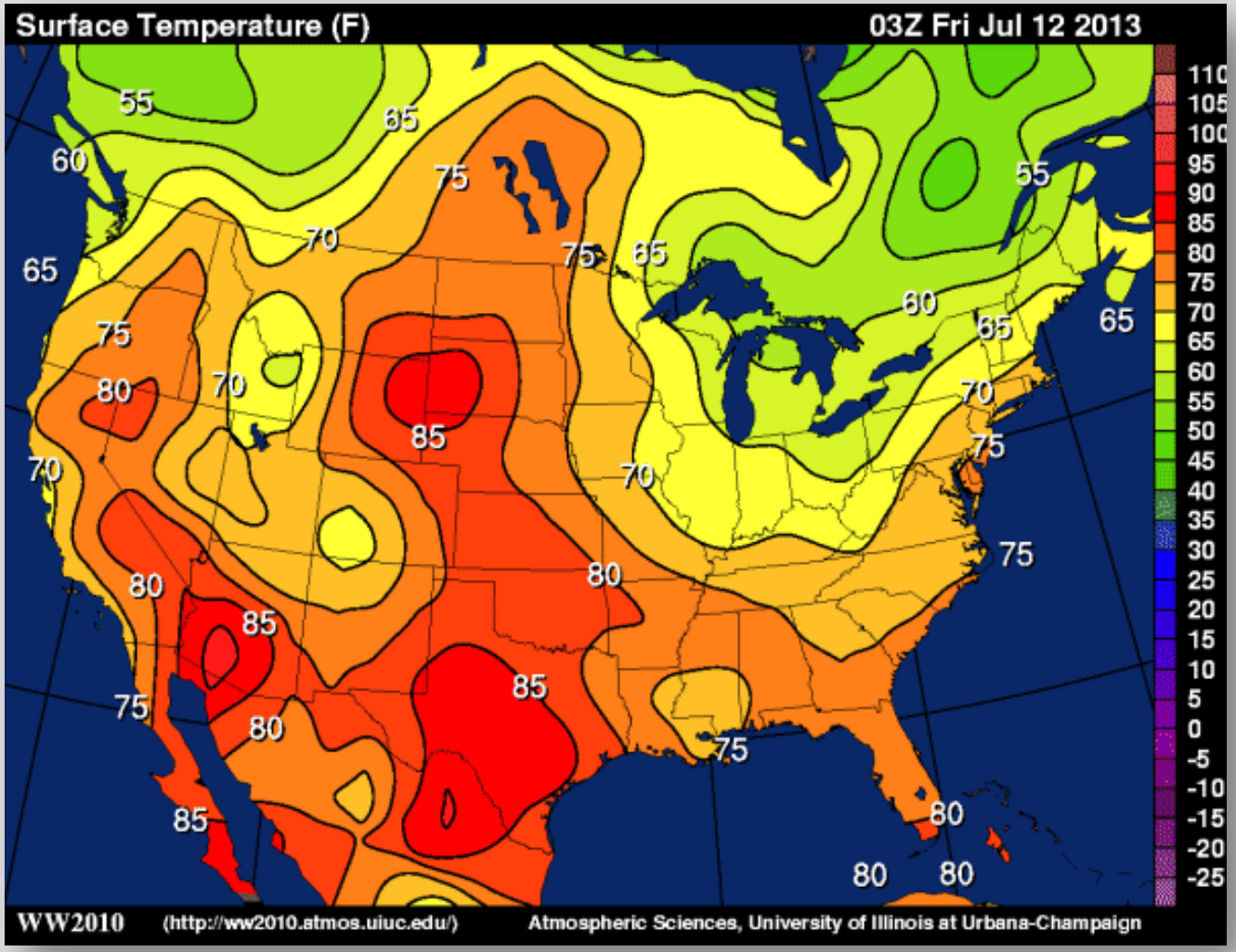
Cartogram


Internet Population and Penetration
Internet Population
about 1 million users
Internet Penetration (%)
>80
60 - 80
40 - 60
20 - 40
<20
by Mark Graham (@geoplace) and Stefano De Sabbata (@maps4thought)
Internet Geographies at the Oxford Internet Institute
October 2013 • geography.oii.ox.ac.uk
data source: World Bank 2011
http://data.worldbank.org

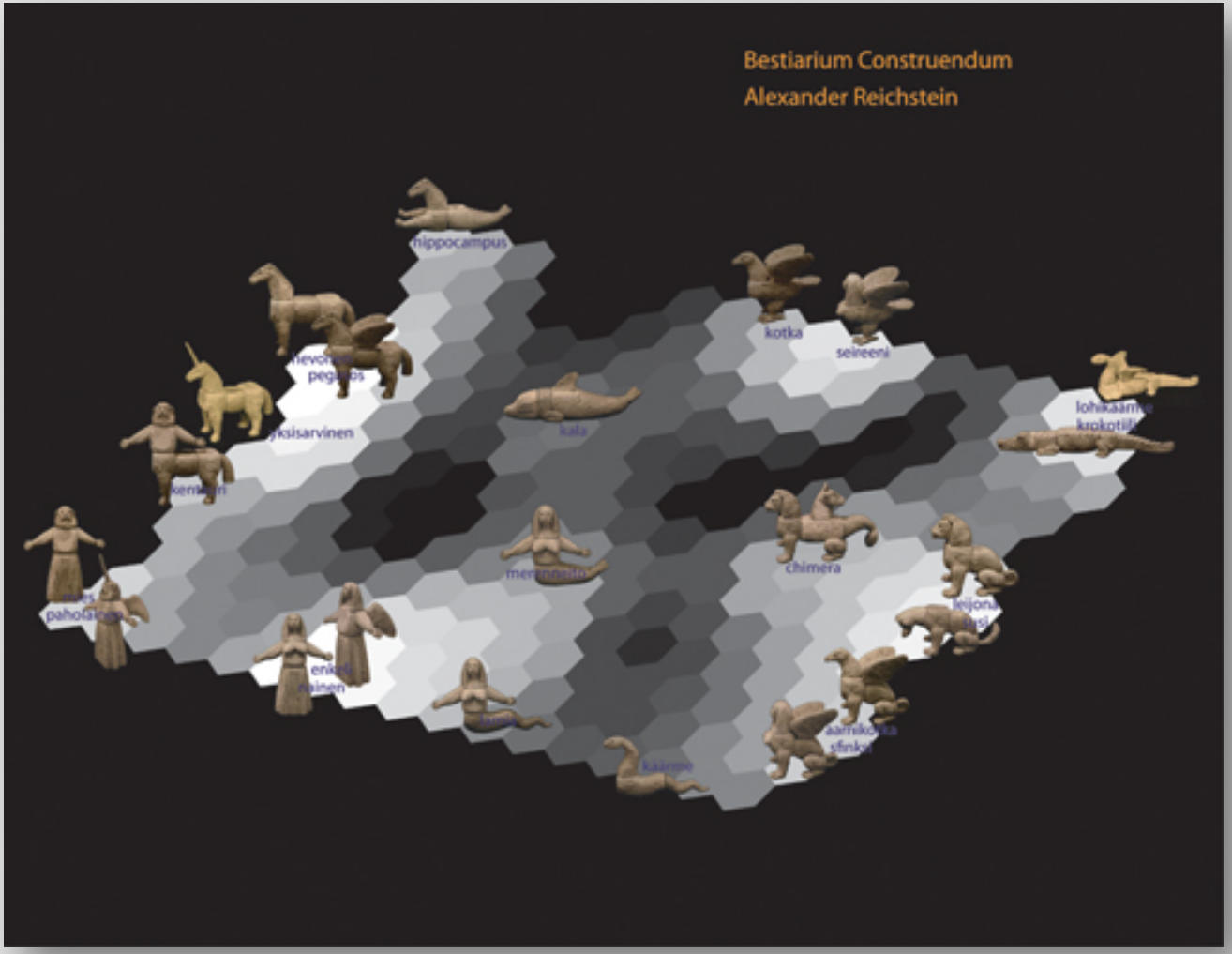
Isogram maps



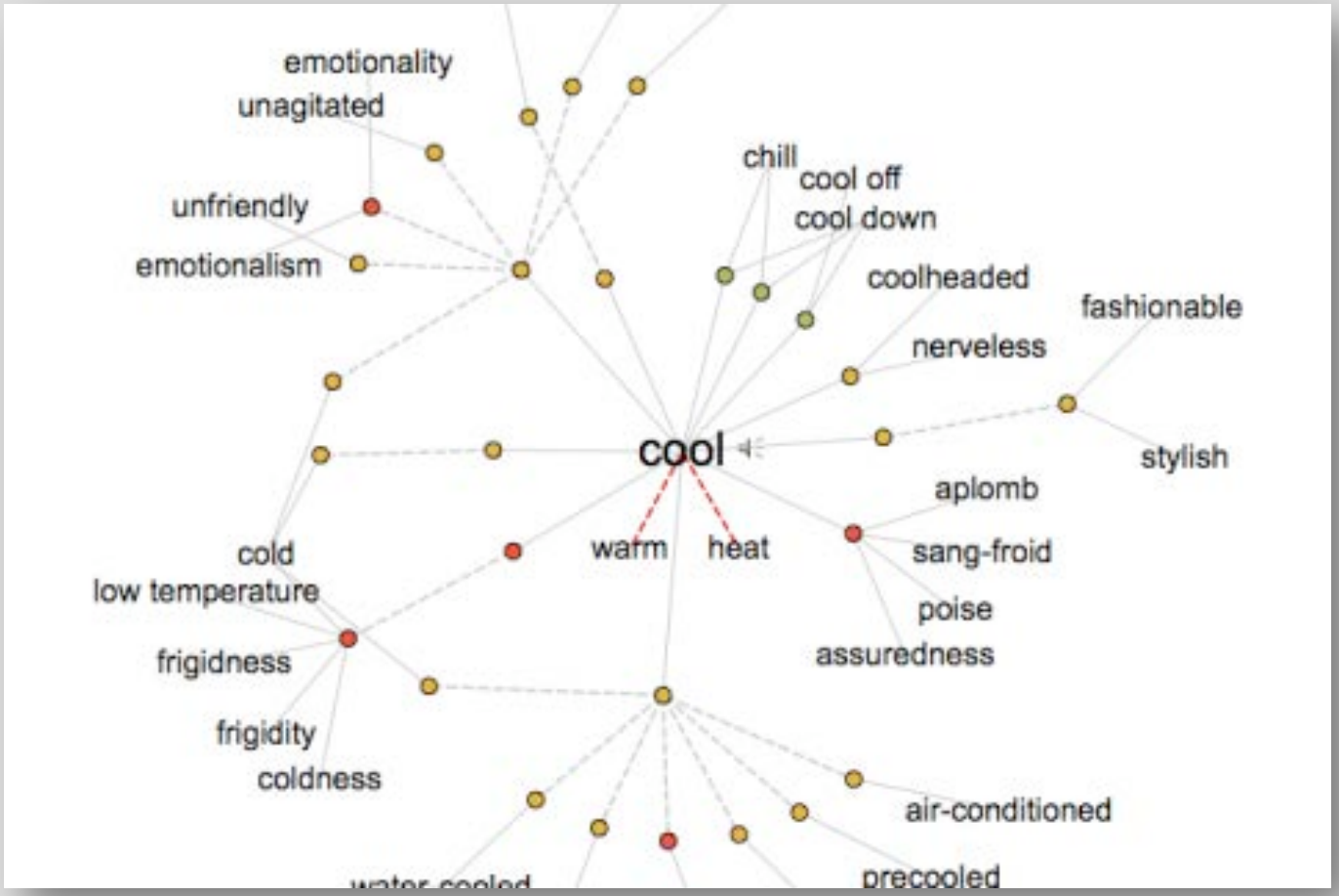
Isogram maps



SOM maps


Bestiarium Construendum
Alexander Reichstein
hippocampus
kotka
seireeni
kala
chimera

Semantic maps



Word maps

representation
surface
part
plane
earth
earth's
geographical
whole
countries
projection
Graphic
celestial
rivers
picture
portion
map
etc
showing
information
delineation
usually
scale
features
spatial
paper
representing
flat
according
heavens
physical
globe

Place maps

4.50
GRØNLAND
KALAALLIT NUNAAT
Arne-Birthe Hove pinx
2000
Morten Stürup typ