5 Themes Review

Region

Location

Where is it?

Absolute – exact

Relative

How does this area have unity?
-Language, landforms, politics.

What is it like there?

Places have human and physical differences.

How do people transport themselves, goods & ideas?

Movement

Place

How do people use their surroundings?

Human-Environment Interaction
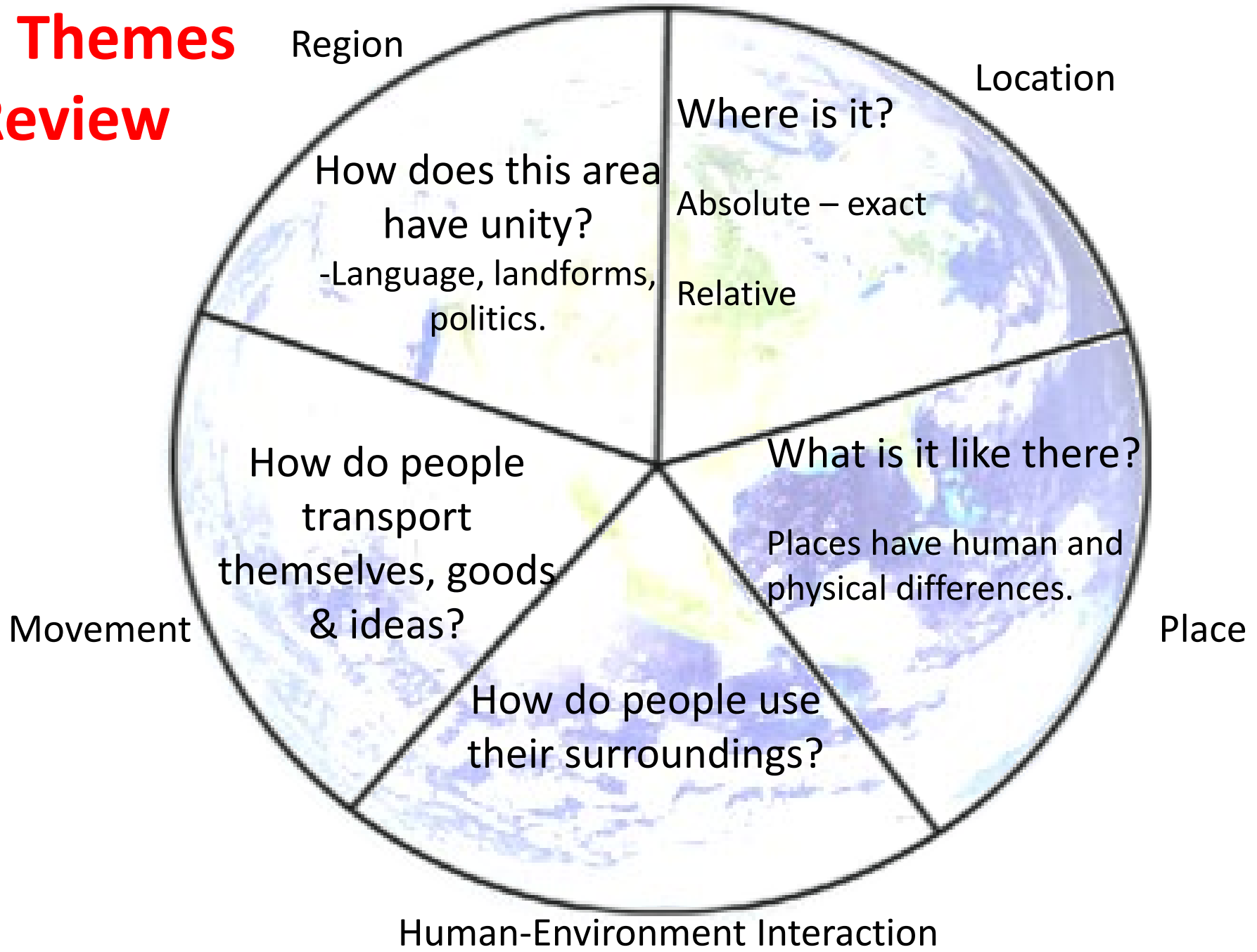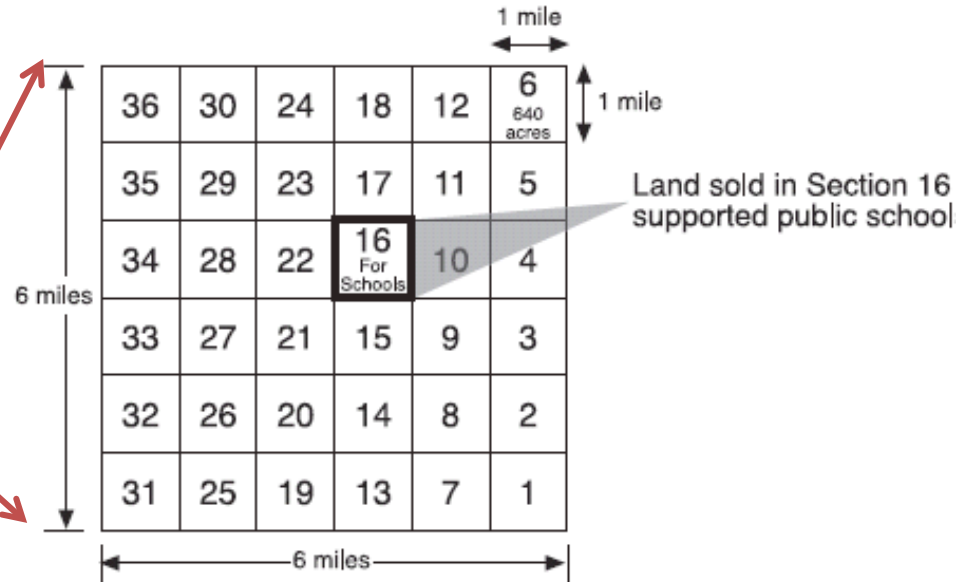
Absolute Location History

In America, the Land Ordinance of 1785 precisely mapped northwestern territories to encourage settlers to move west.
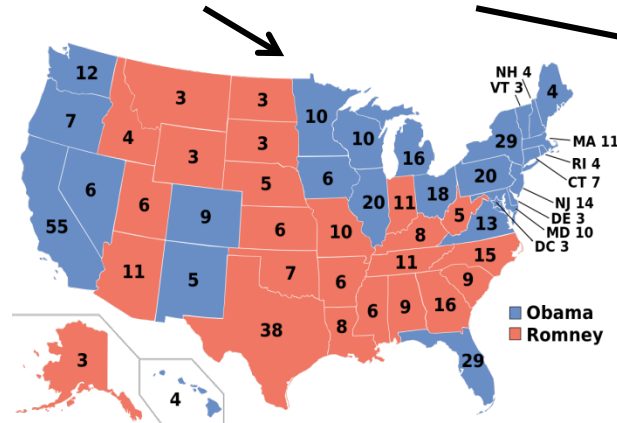
One township (6 miles square)

36	30	24	18	12	6 640 acres
35	29	23	17	11	5
34	28	22	16 For Schools	10	4
33	27	21	15	9	3
32	26	20	14	8	2
31	25	19	13	7	1

1 mile

1 mile

6 miles

6 miles

Land sold in Section 16 supported public school

Surveyed land AND a school! Yeehaw!

The 3 Types of Regions

Formal Region (Uniform)
- Homogenous in physical, political or cultural characteristics

NH 4
VT 3   4
MA 11
RI 4
CT 7
NJ 14
DE 3
MD 10
DC 3

■ Obama
■ Romney

Languages spoken
☐ Dutch
☐ French
☐ German

BRUGGE   Antwerp
East Flanders
West Flanders   Limburg
Flemish Brabant
Walloon Brabant
Hainaut   Liege
Namur
Luxembourg

Functional Region
- the product of interactions and movements of various kinds.

Urban Atlanta

Cobb Co   Gwinnett Co
Douglas Co
Fulton Co   DeKalb Co
I 285
Clayton Co
Fayette Co   Henry Co

PERCEPTUAL REGIONS OF NORTH AMERICA

EAST CANADA
PACIFIC
NORTHWEST
NORTH
ATLANTIC
NORTHEAST
NEW ENGLAND
EAST
MIDDLE ATLANTIC
No Regional Affiliation
WEST
MIDWEST
PACIFIC
SOUTHWEST
ACADIA
GULF
SOUTH
SOUTH

0   250   500 Kilometers
0   250   500 Miles

(After W. Zelinsky)
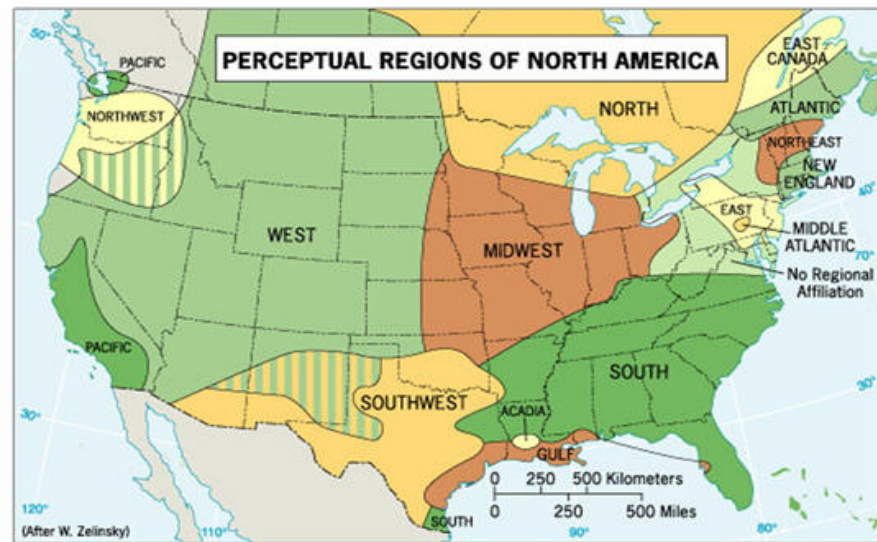
Perceptual Region
- reflects feelings and images rather than objective data – primarily in the minds of people

Different Types of Thematic Maps

<u>Dot Maps</u> – Dots are placed on the map to represent an **event** – these are great to show

<u>Cartograms</u> – The size of a location is based on a particular defined characteristic – **distortion** is evident!

<u>Choropleth Maps</u> – Each unit area is **shaded** or **colored** to suggest magnitude or intensity of the event.

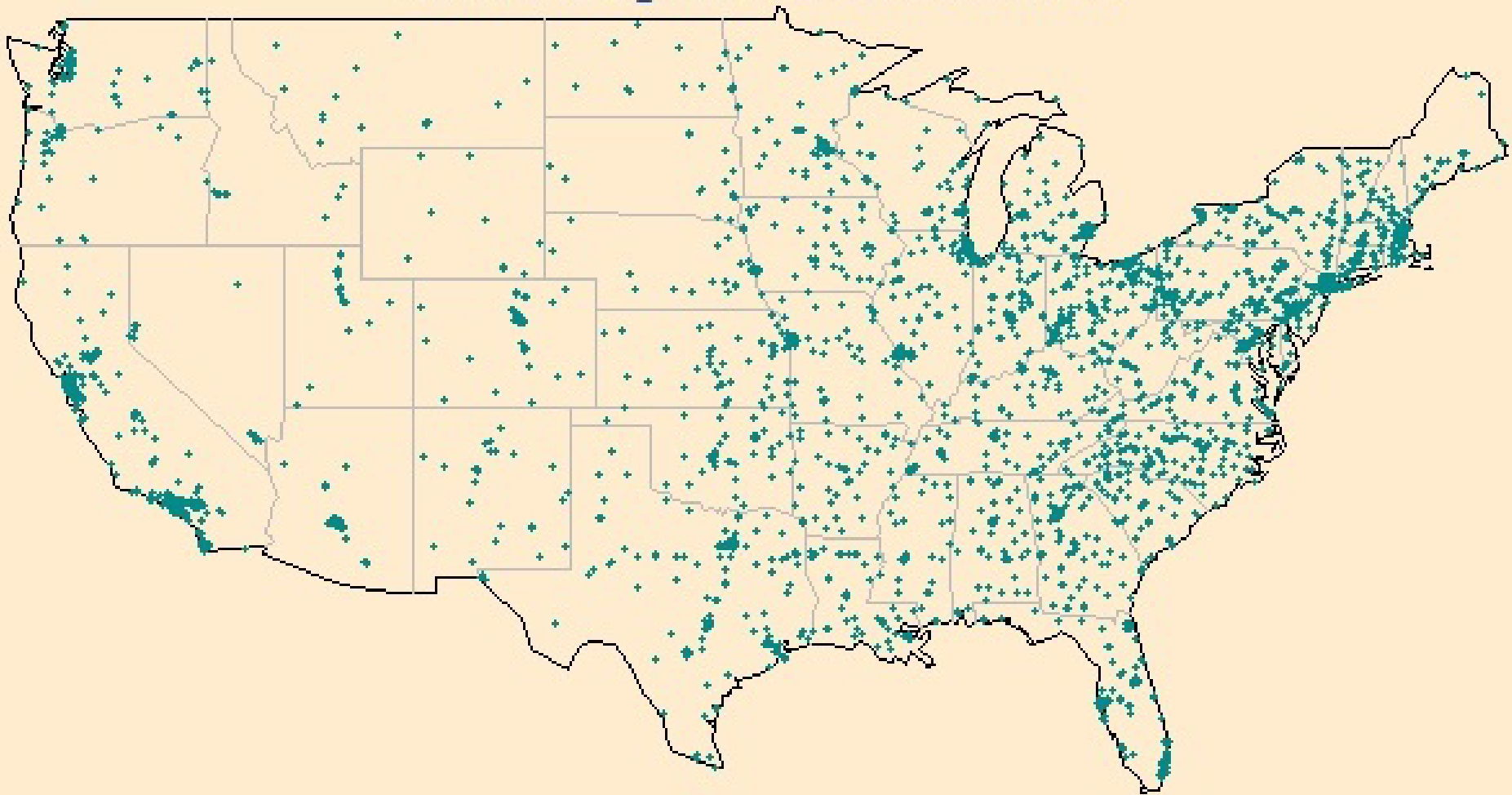<u>Cognitive/Mental Maps</u> – Map used to show a person's **perception**.

<u>Flow Maps</u> – Map that shows **movement** often using arrows.

<u>Proportional Symbol Maps</u> – Similar to dot maps – the size of the dot grows with **increased** value.

<u>Isoline Maps</u> – Uses lines to show places where values are **equal**.

Example of a Dot Map

U.S. Colleges and Universities

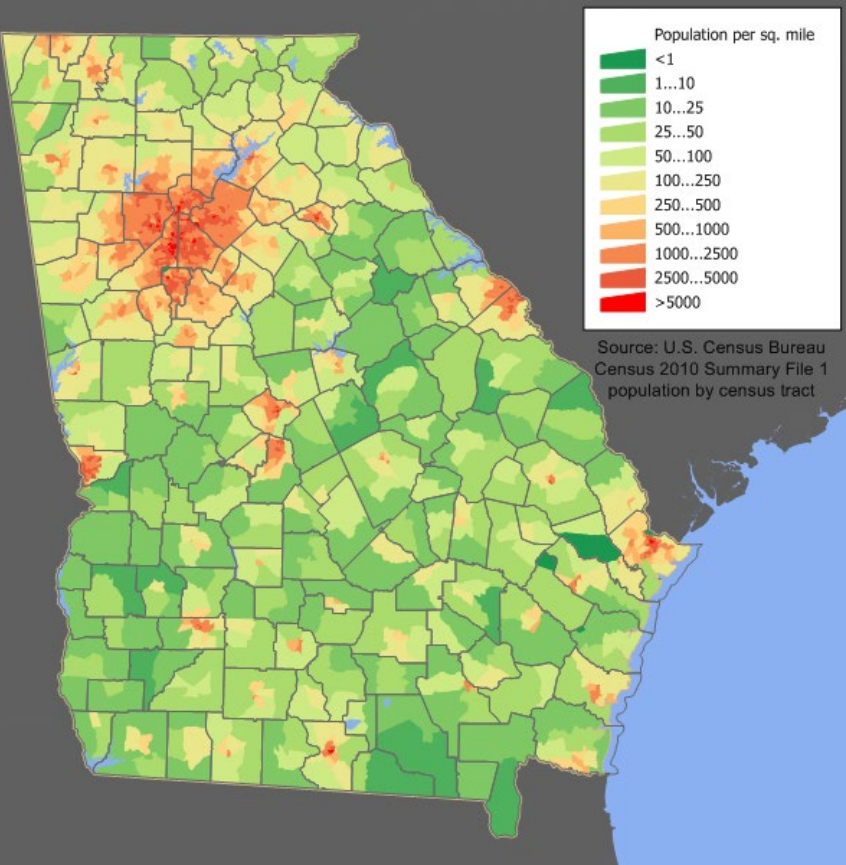# Examples of Cartograms

THE WORLD'S MOST POPULOUS COUNTRIES

The Beautiful Game
a world of football
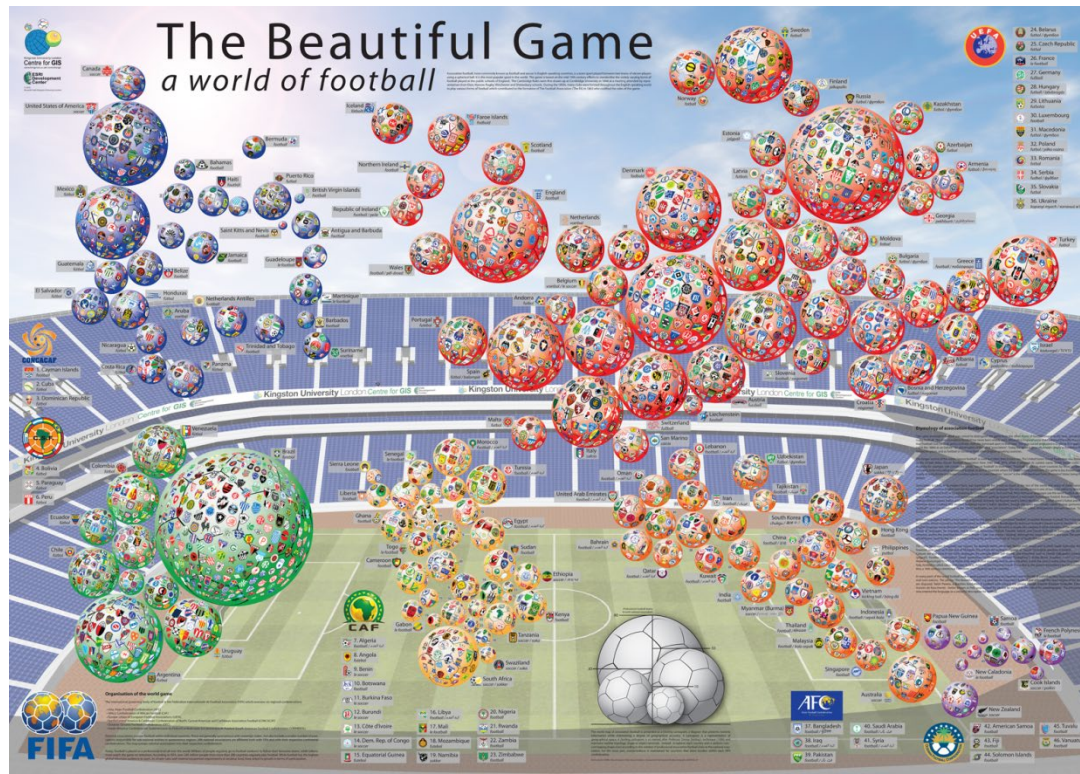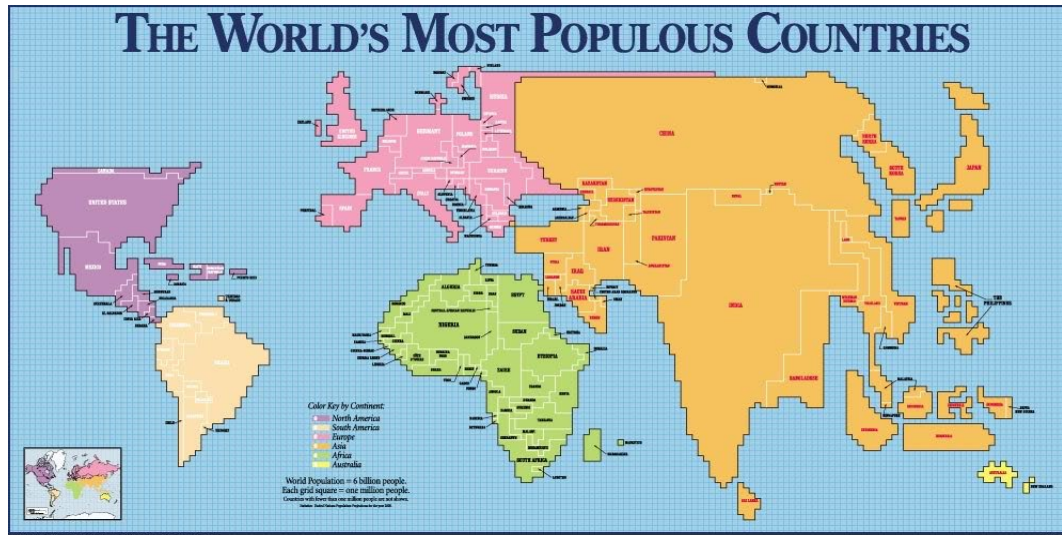
Examples of Choropleth Maps
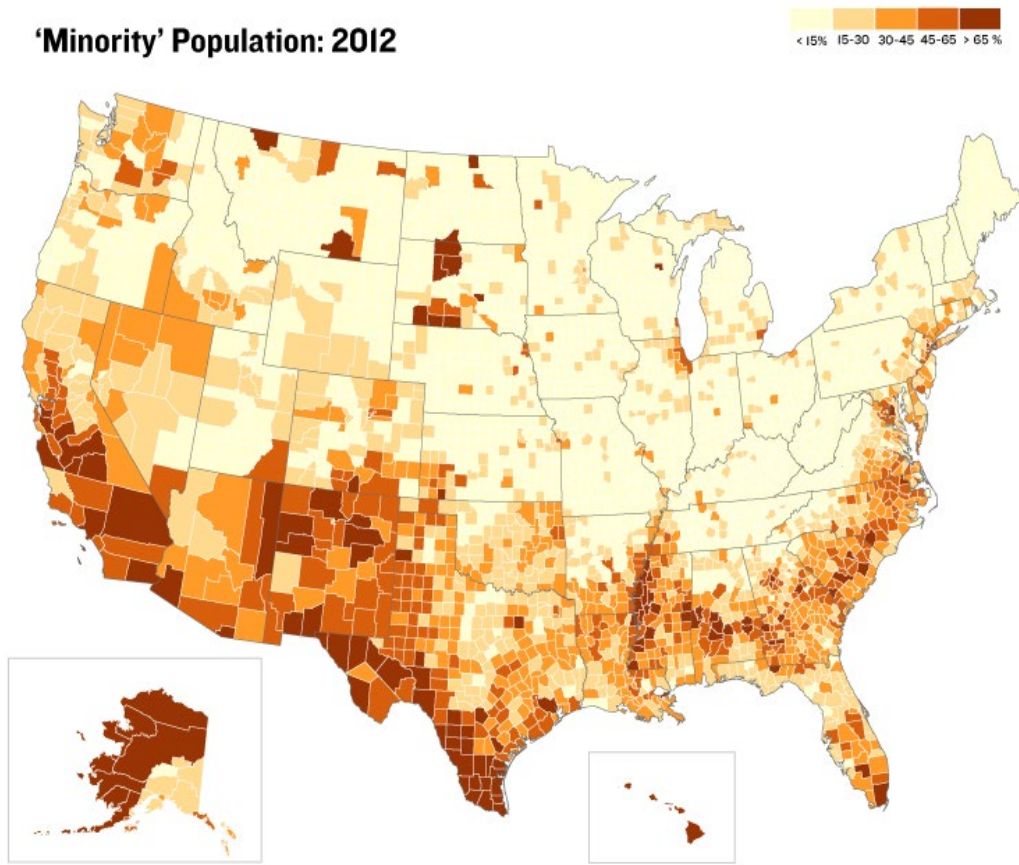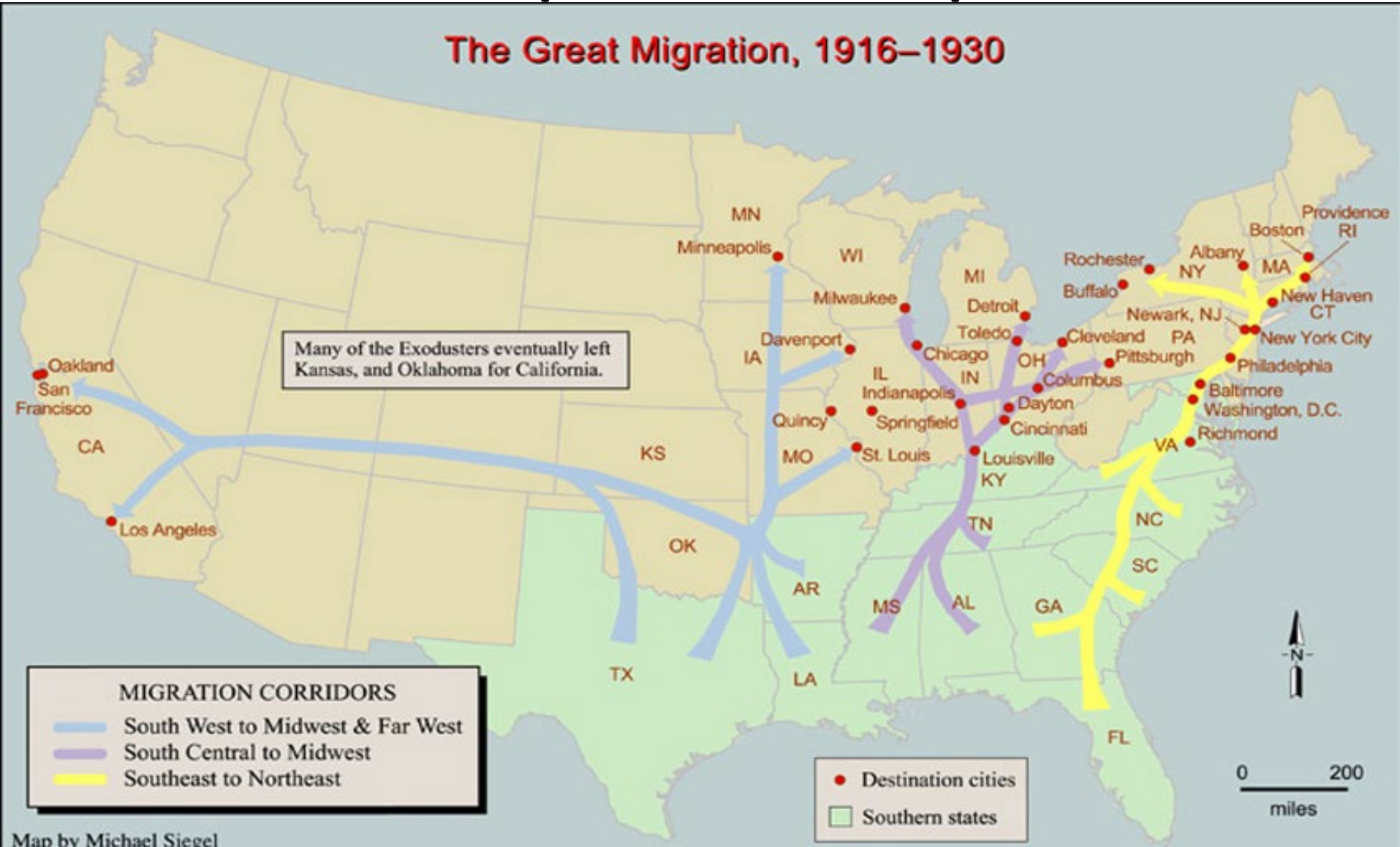
Mental Maps – Map formed from knowledge and experience within each person. Unique for every situation.

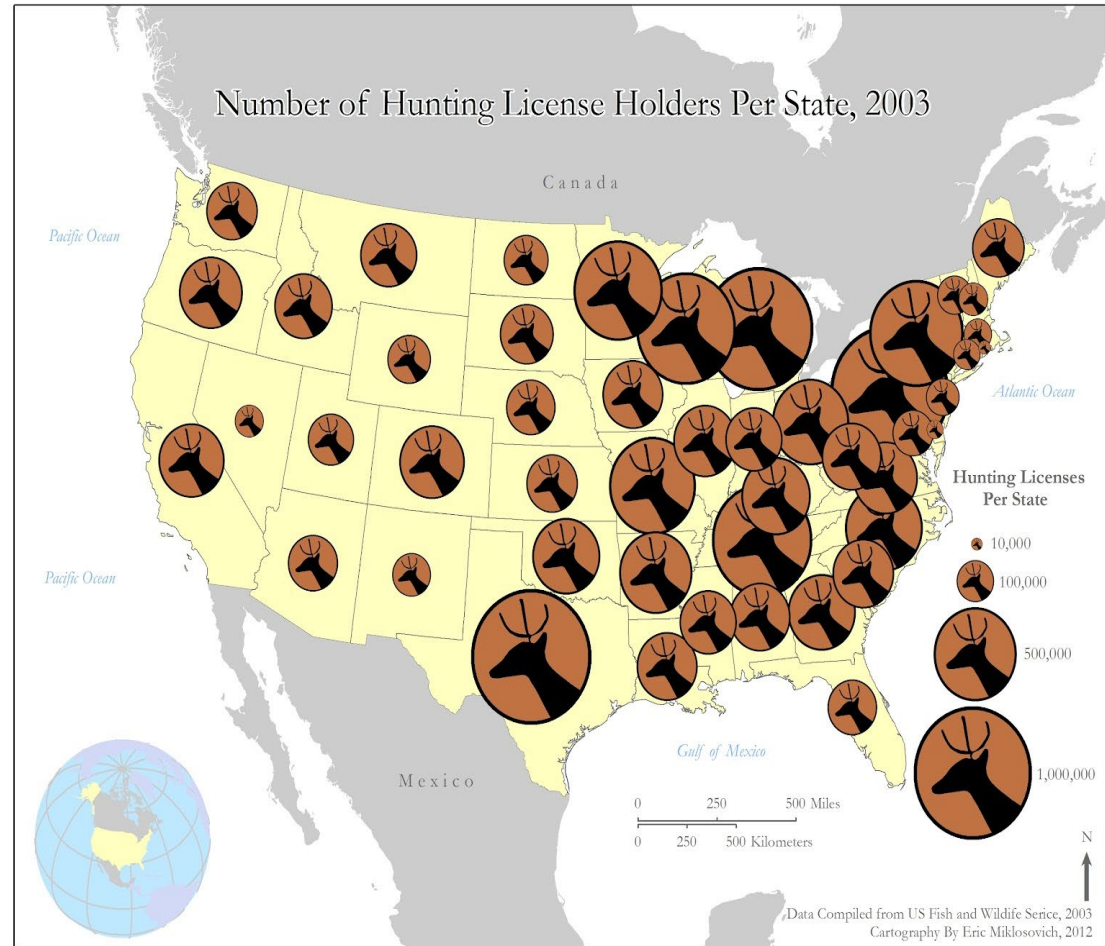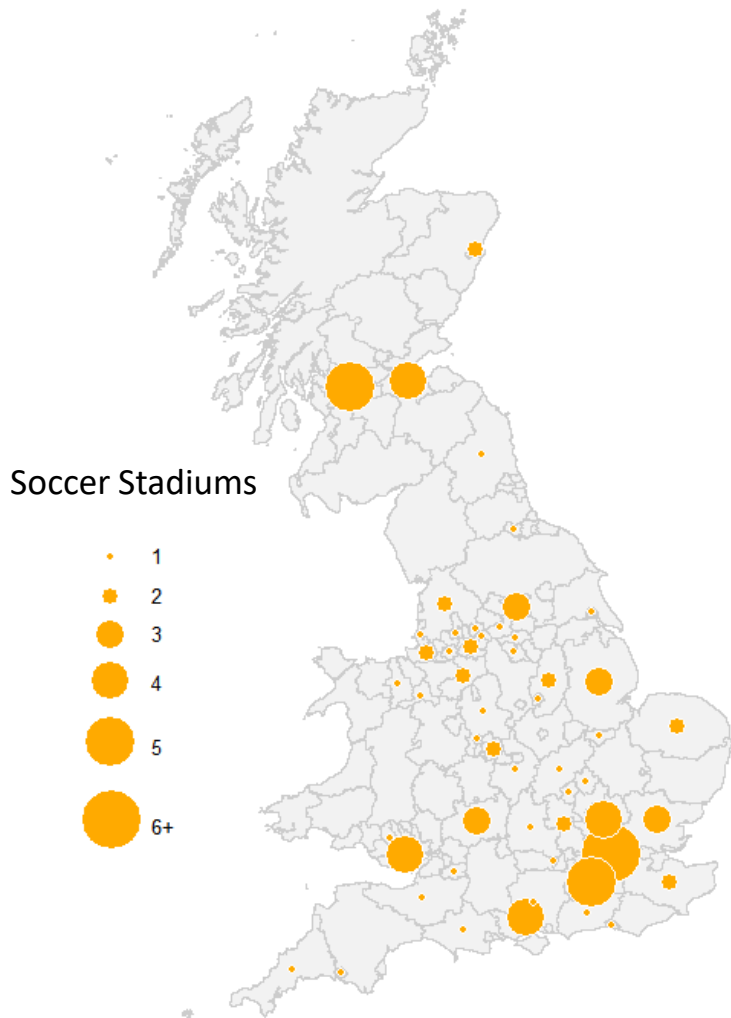# Examples of Flow Maps

The Great Migration, 1916–1930

Map by Michael Siegel
Rutgers Cartography 2005

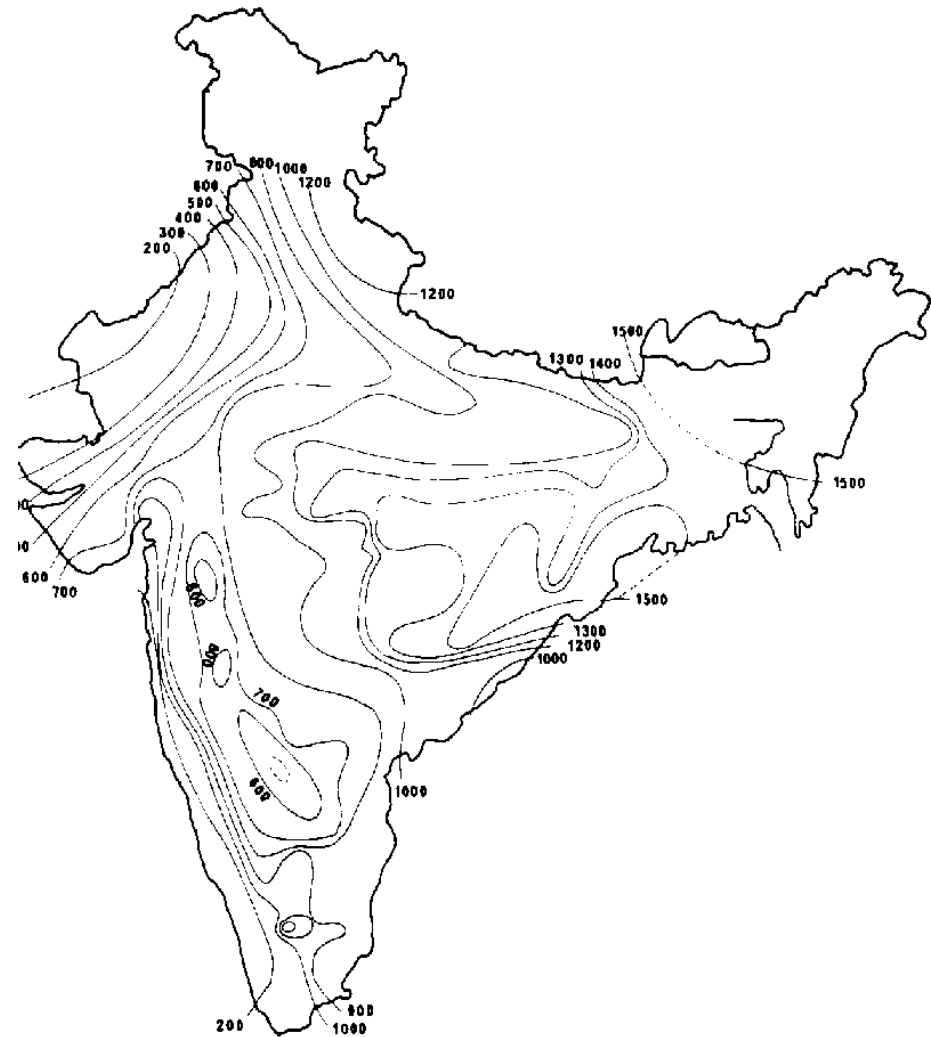Source: "The Atlas of African-American History and Politics"

Examples of Proportional Symbol Maps
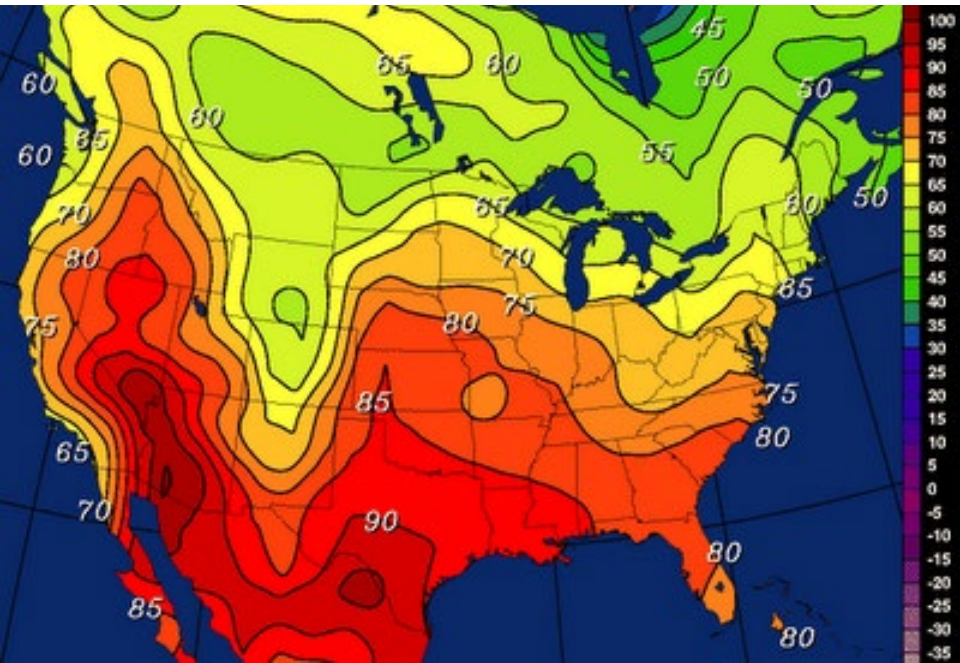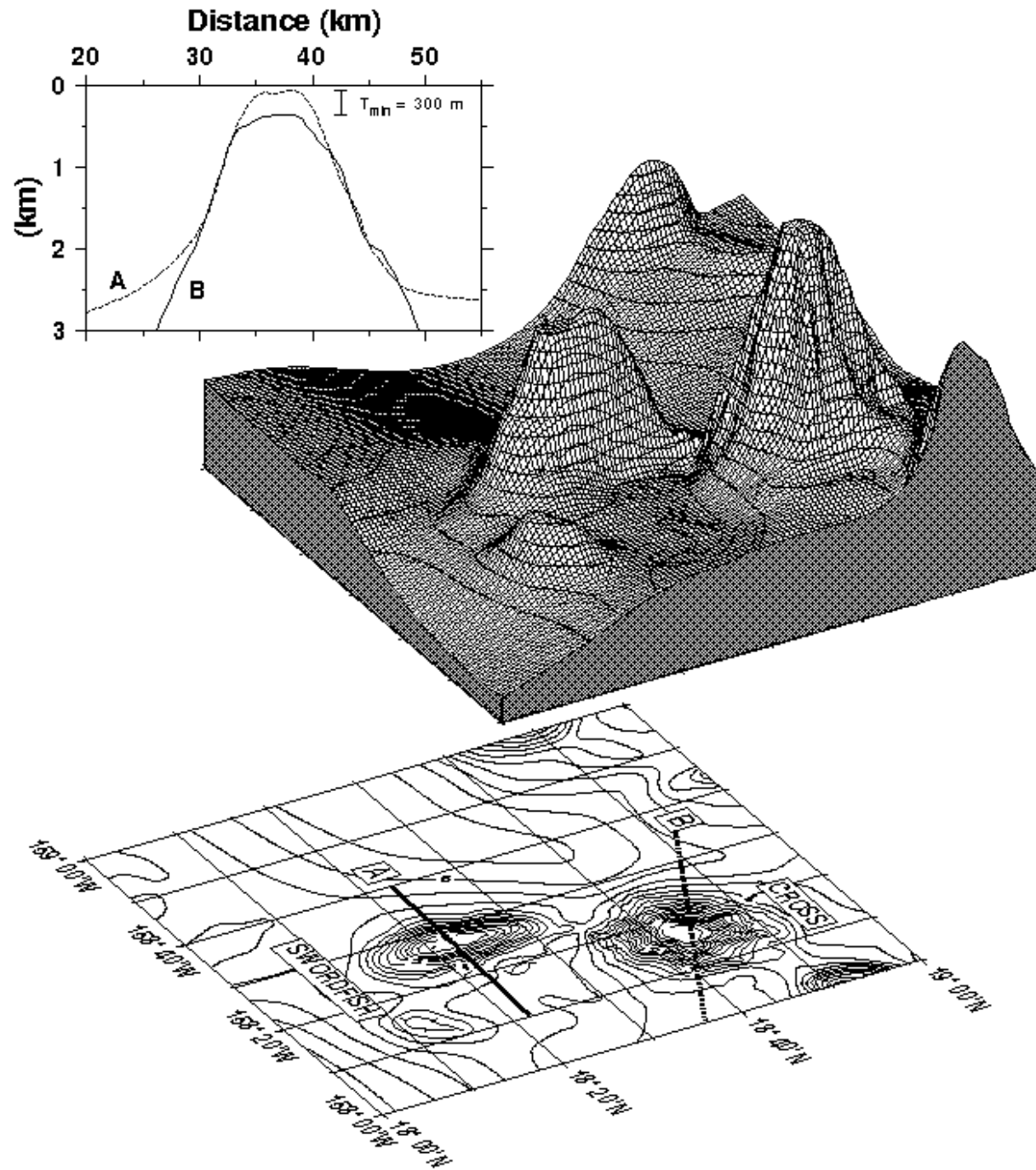

Soccer Stadiums

Hunting Licenses Per State

Number of Hunting License Holders Per State, 2003

Data Compiled from US Fish and Wildife Serice, 2003
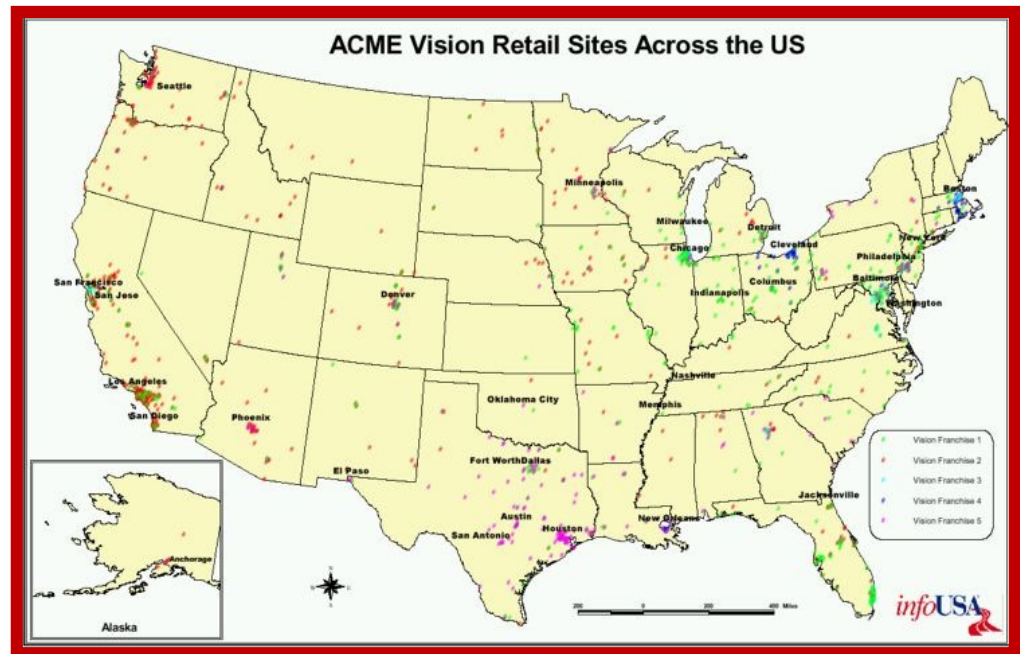Cartography By Eric Miklosovich, 2012

Examples of Isoline Maps

In an Isoline map the closer the lines are, the steeper the elevation change. See how this landscape is portrayed from a contour standpoint and what it looks like in actuality.
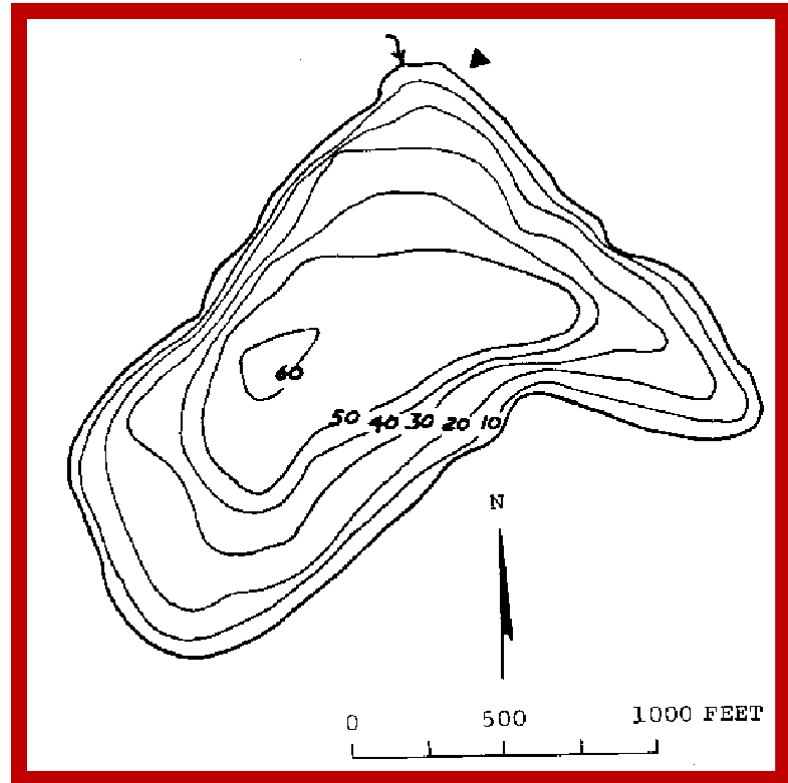
What type of thematic map is pictured below?

A. dot

B. choropleth

C. isoline

D. cartogram

E. flow

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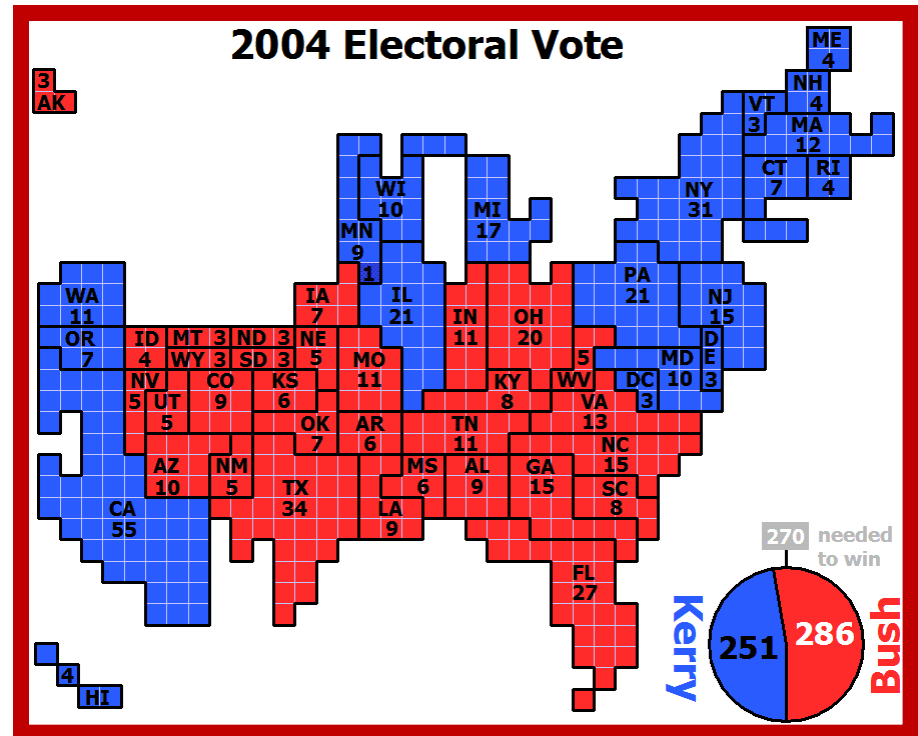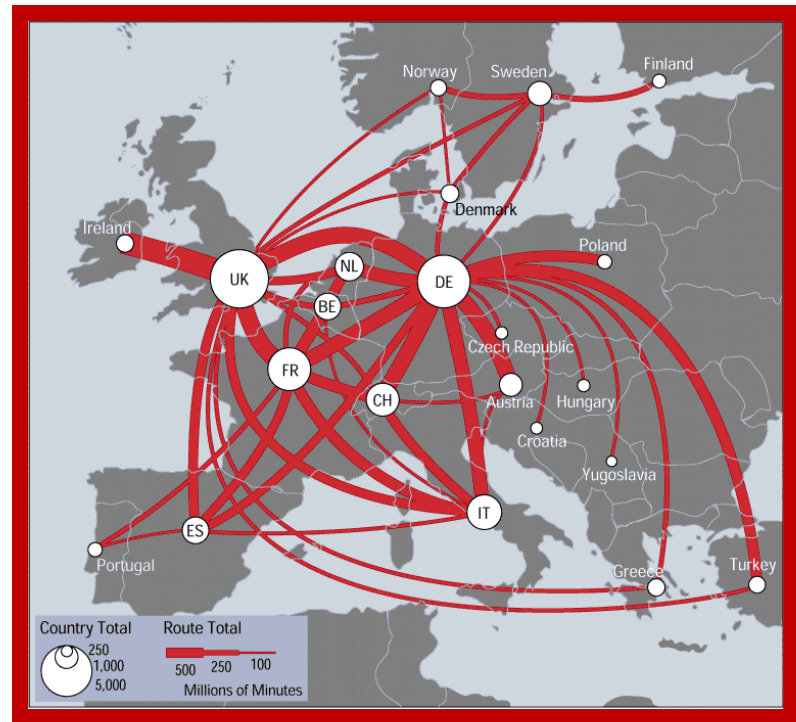
C. isoline

D. cartogram

E. flow

2004 Electoral Vote

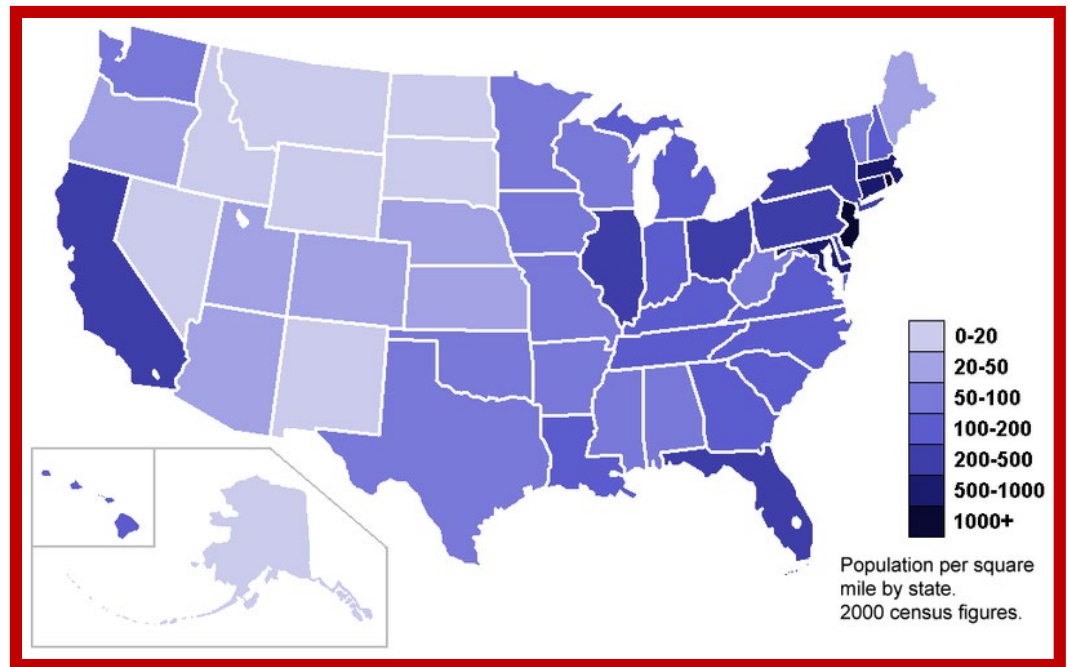# What type of thematic map is pictured below?

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What type of thematic map is pictured below?

A. cartogram

B. choropleth

C. isoline

D. dot

E. proportional symbol

0-20
20-50
50-100
100-200
200-500
500-1000
1000+

Population per square mile by state. 2000 census figures.

What type of thematic map is pictured below?

A. cartogram

B. choropleth

C. isoline

D. dot

E. proportional symbol

Number of Hunting License Holders Per State, 2003

Hunting Licenses Per State
- 10,000
- 100,000
- 500,000
- 1,000,000

Data Compiled from US Fish and Wildife Serice, 2003
Cartography By Eric Miklosovich, 2012