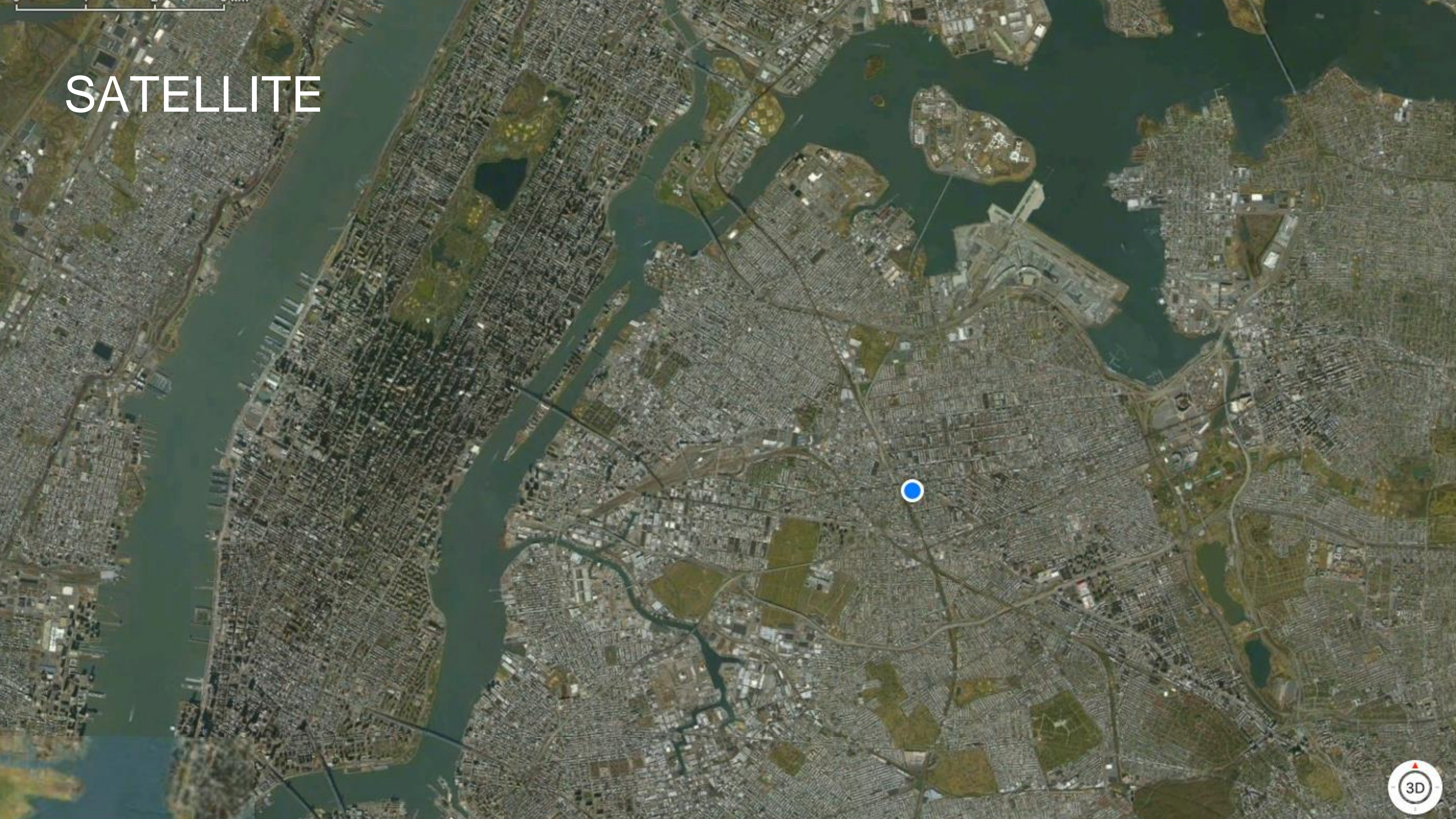
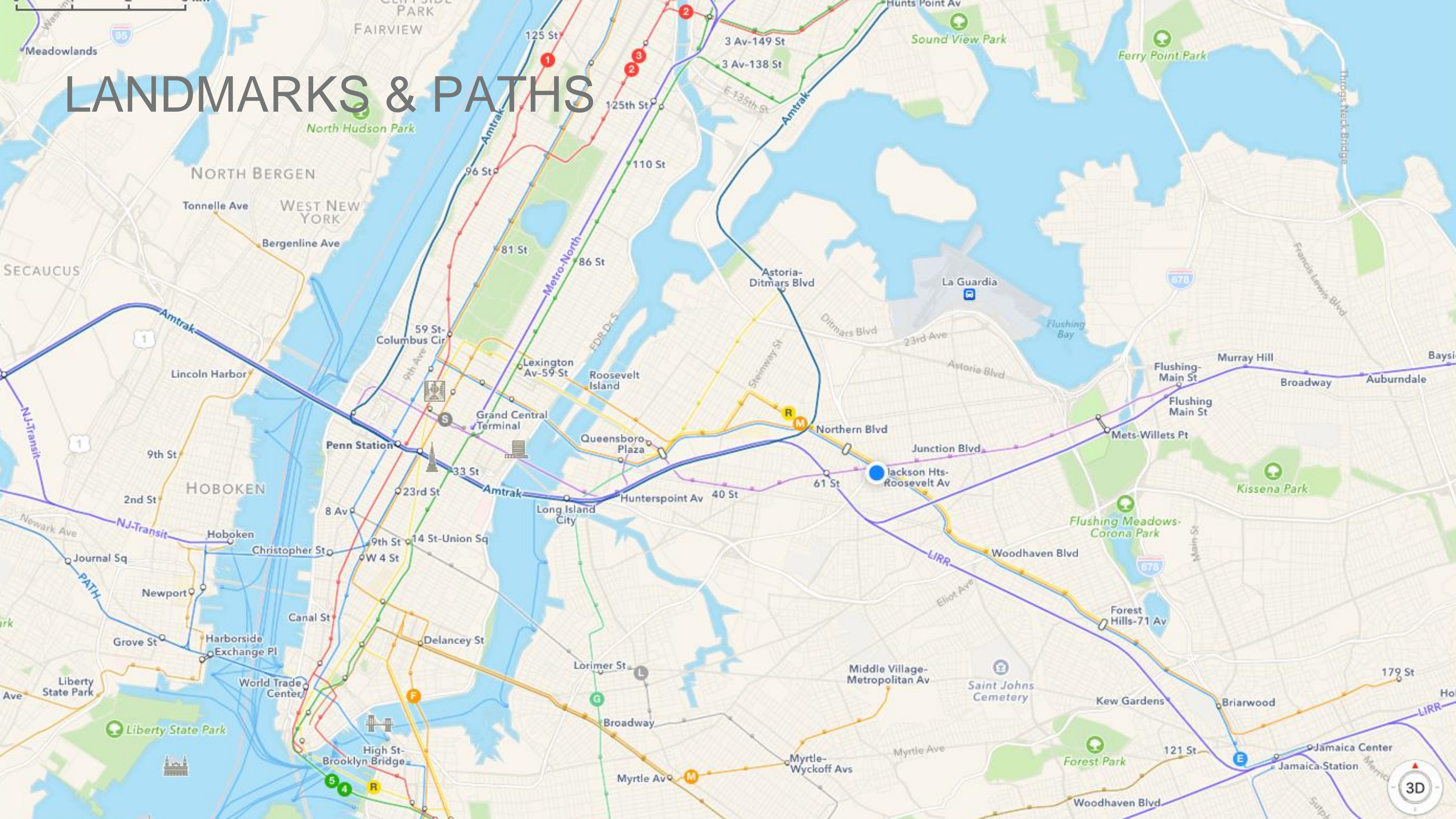




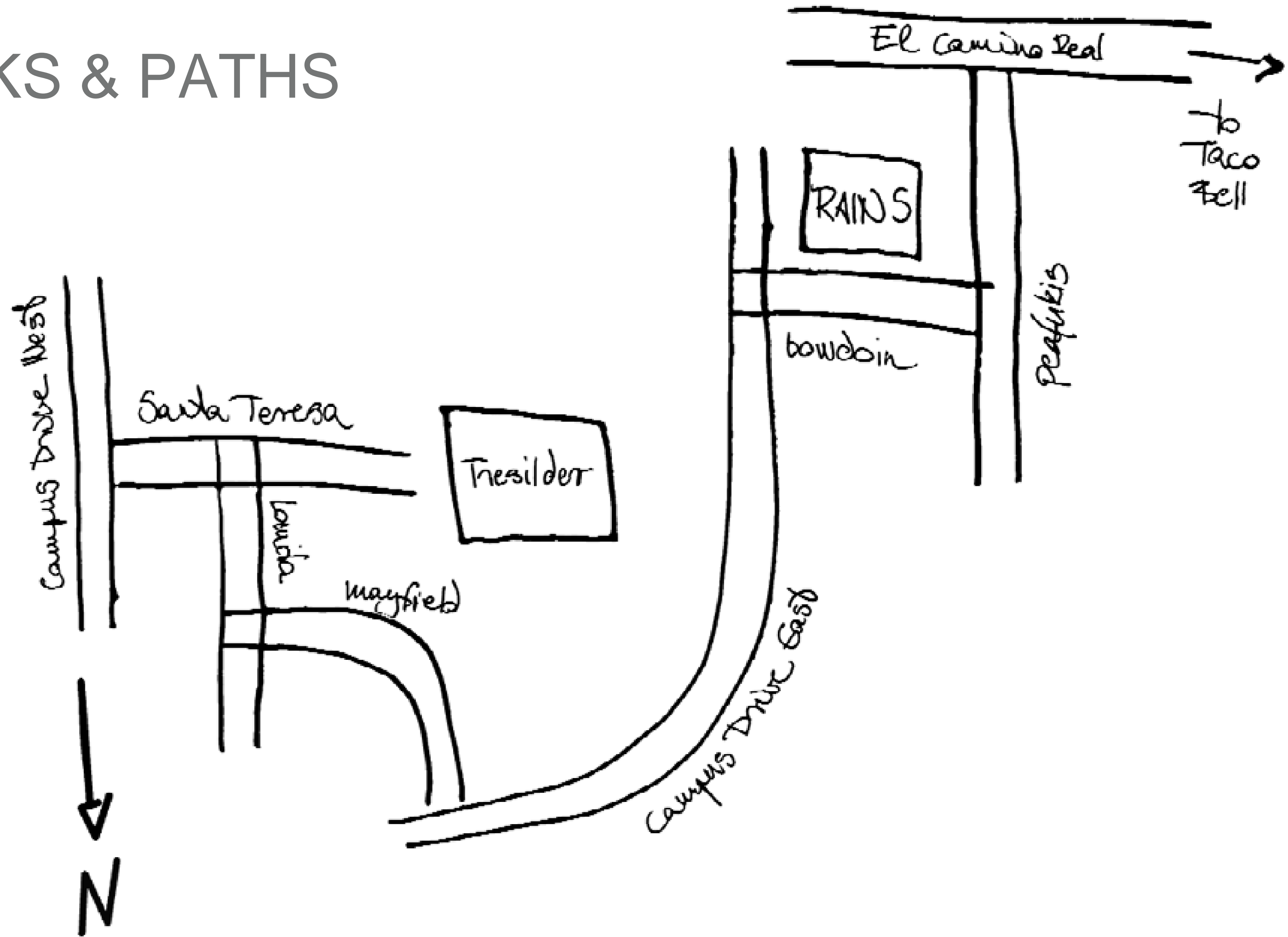
SATELLITE



LANDMARKS & PATHS



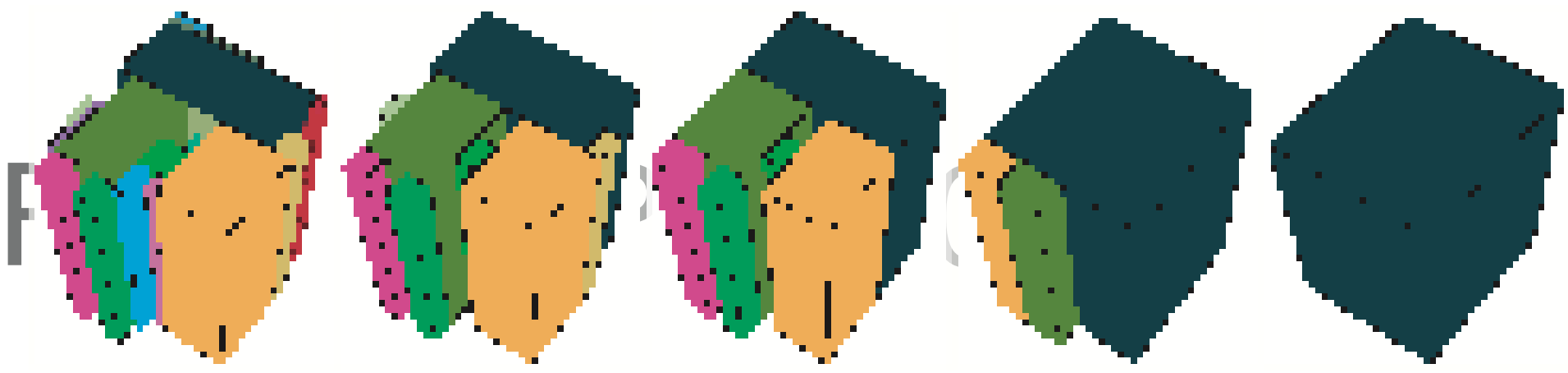
LANDMARKS & PATHS



LINEDRIVE (2001)



AUTOMATIC GENERATION OF TOUR



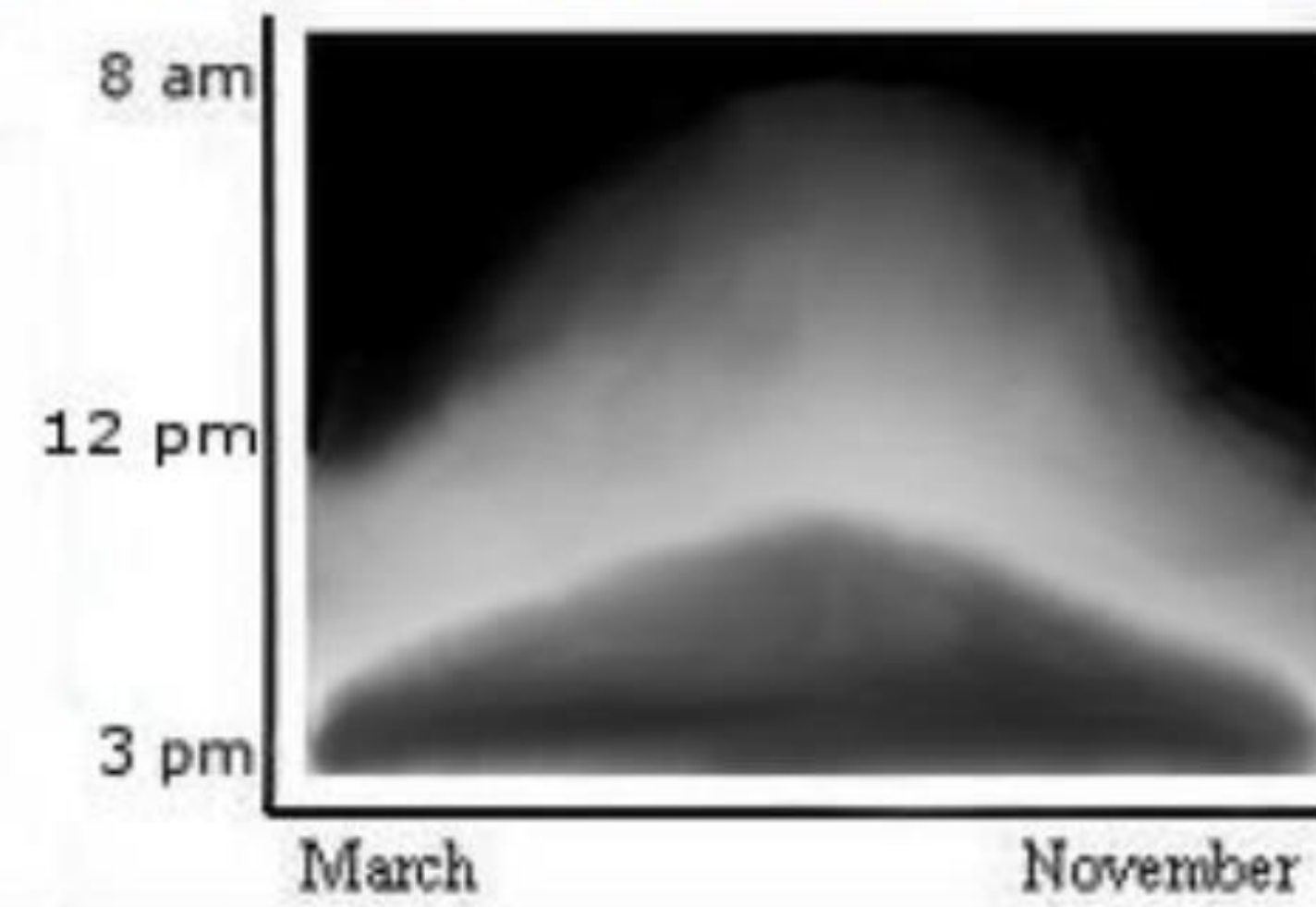
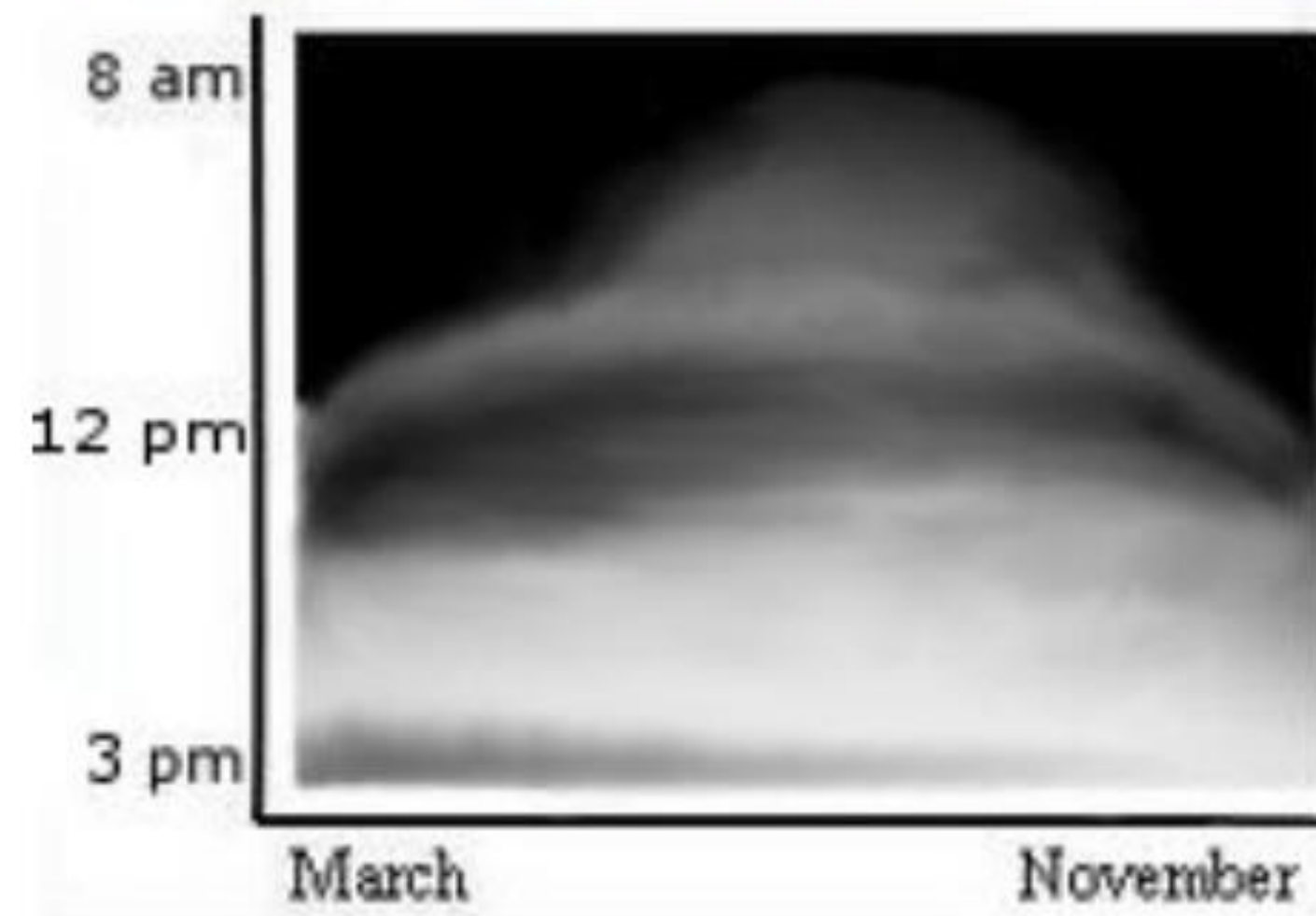
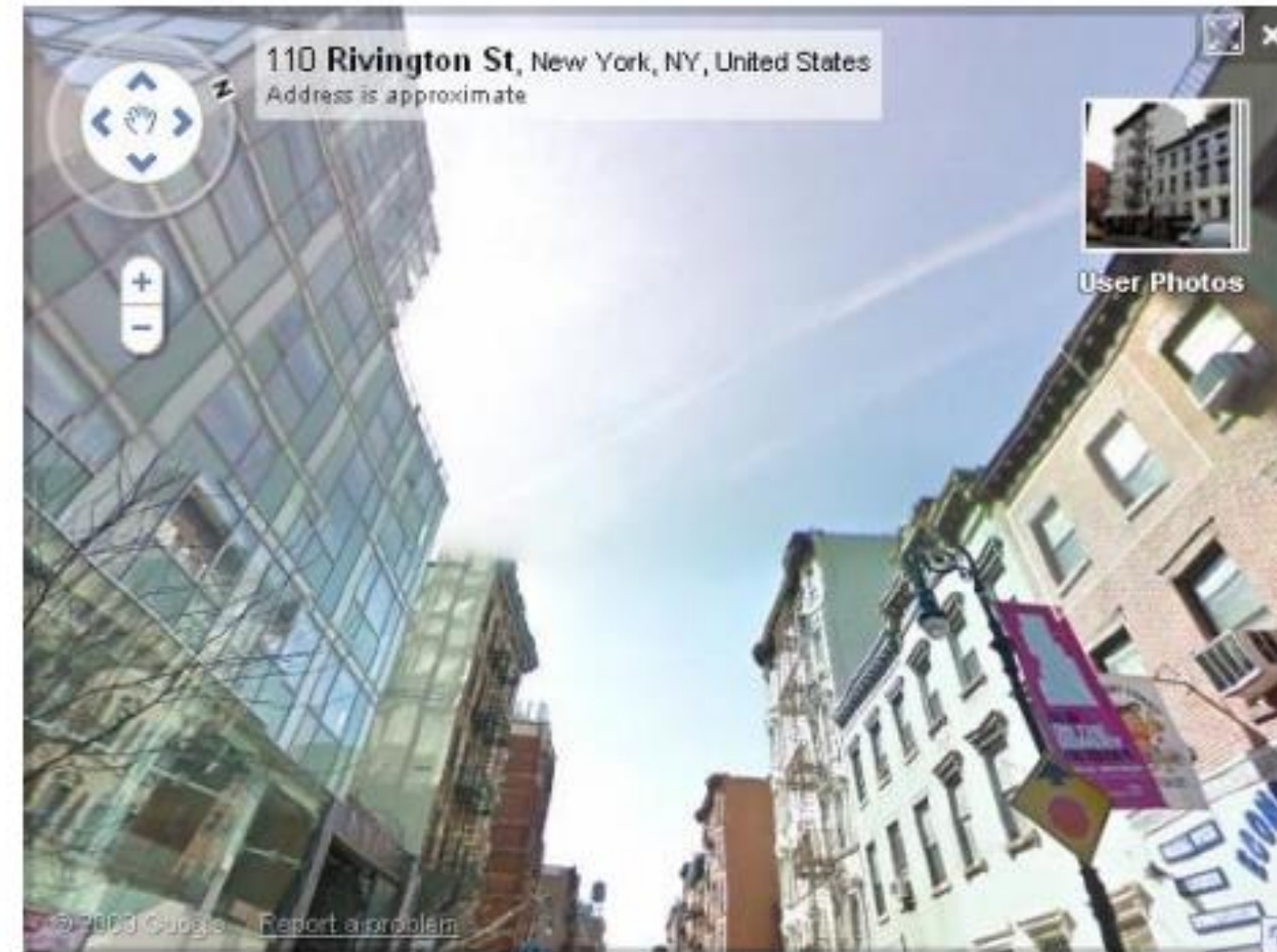
STREET VIEW



STREETSIDE VIEW (2010)

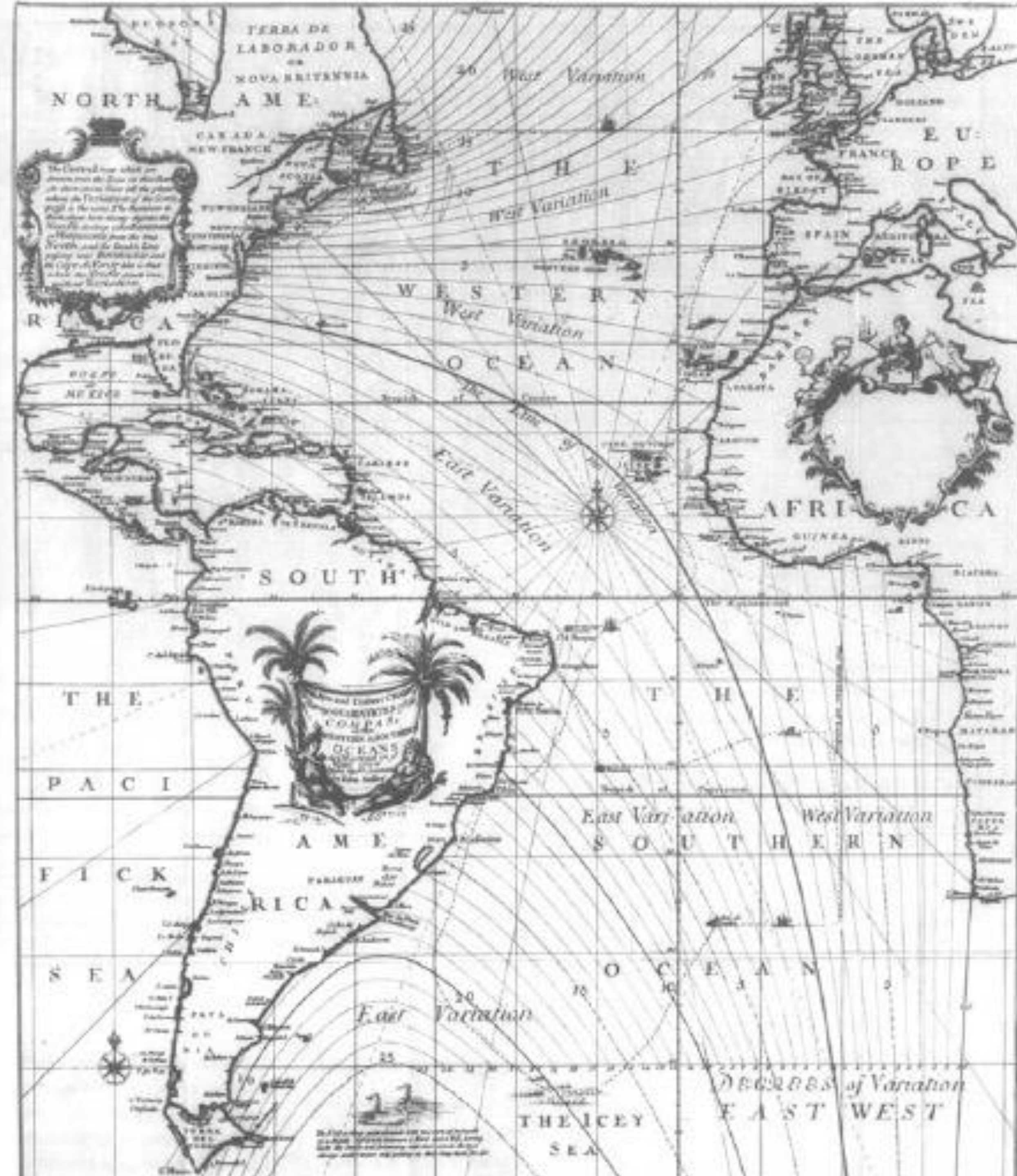


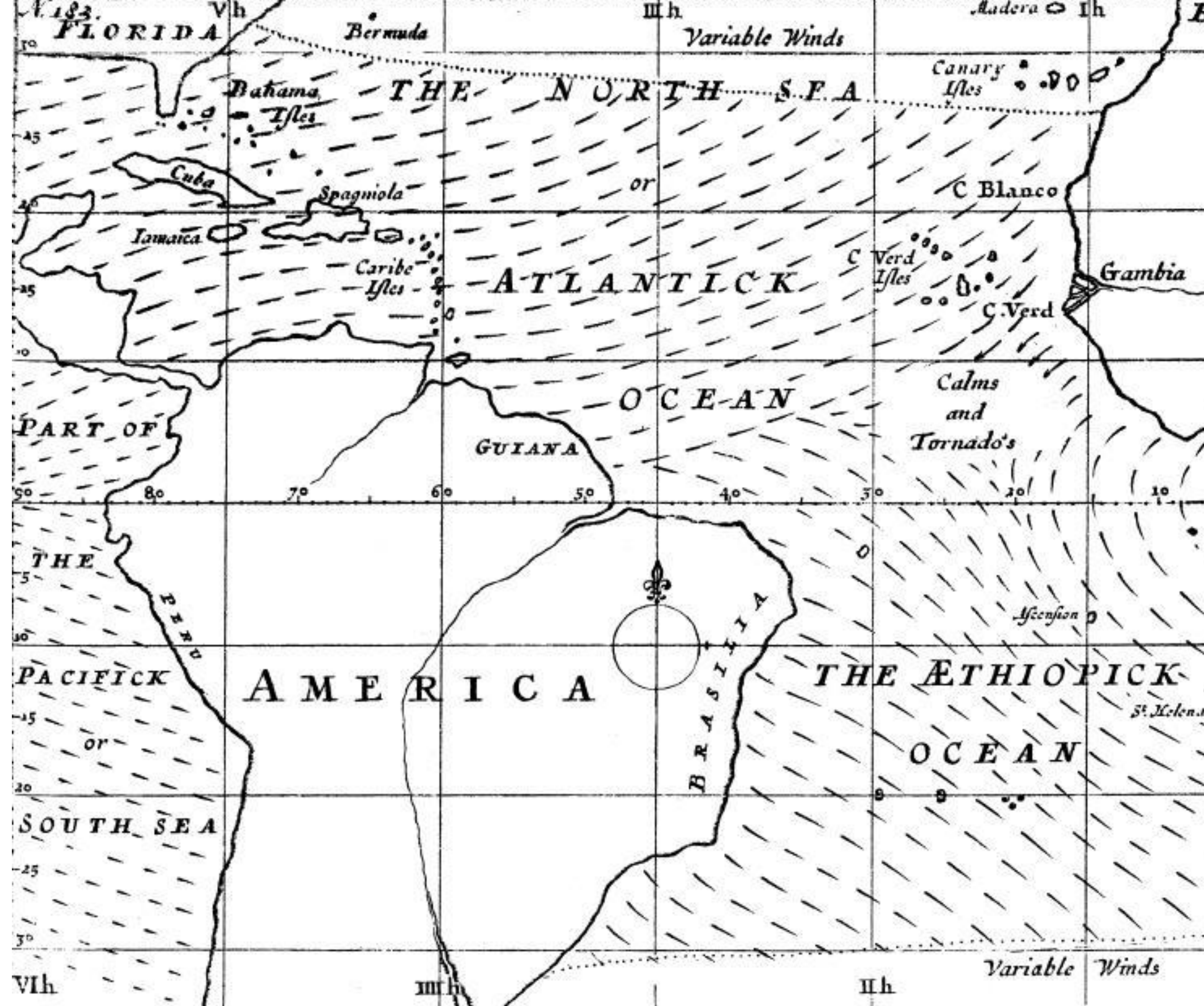
STREET LIGHT VIEW (2010)



ISOPLETH MAPS

- Use lines to show data
- First in 1701
 - Lines of Equal Magnetic Declination
 - By Edmond Halley (comet guy)

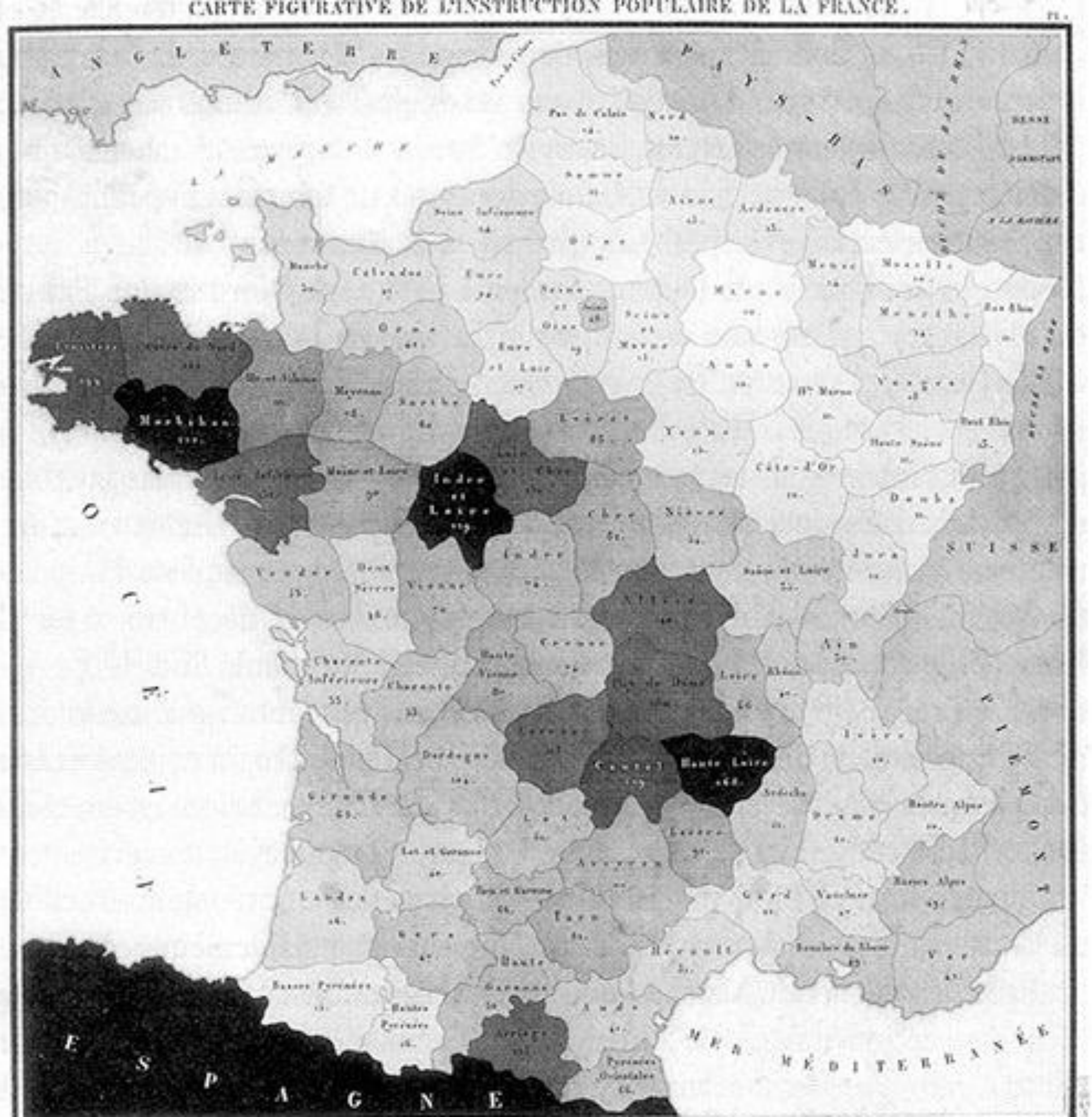




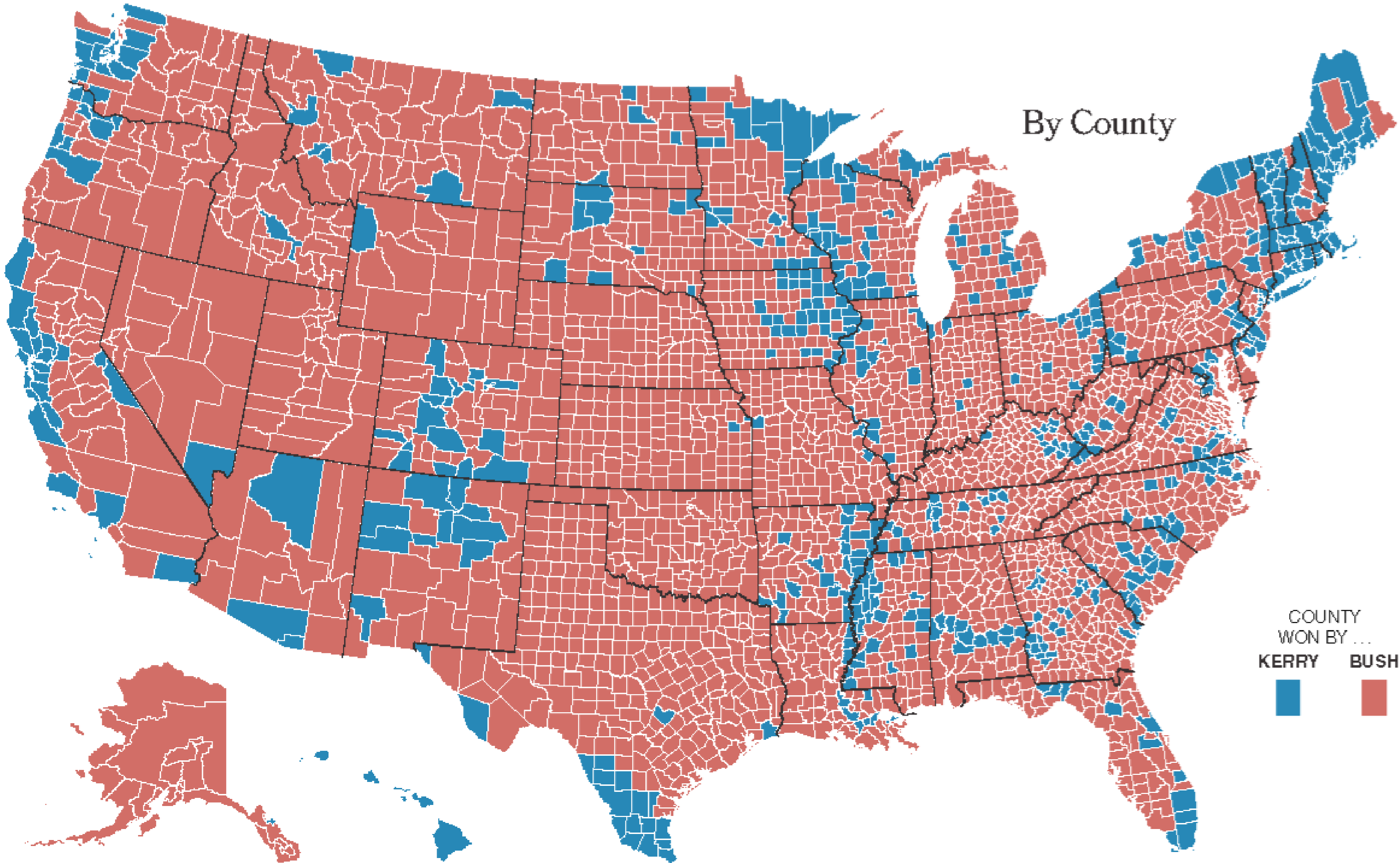


CHOROPLETH MAPS

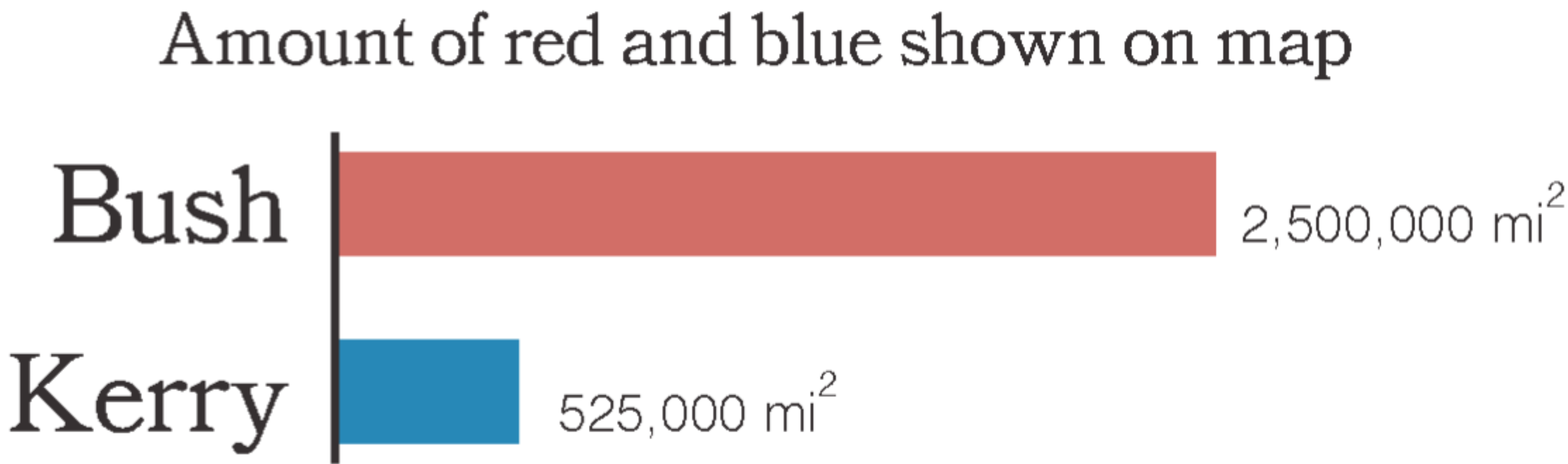
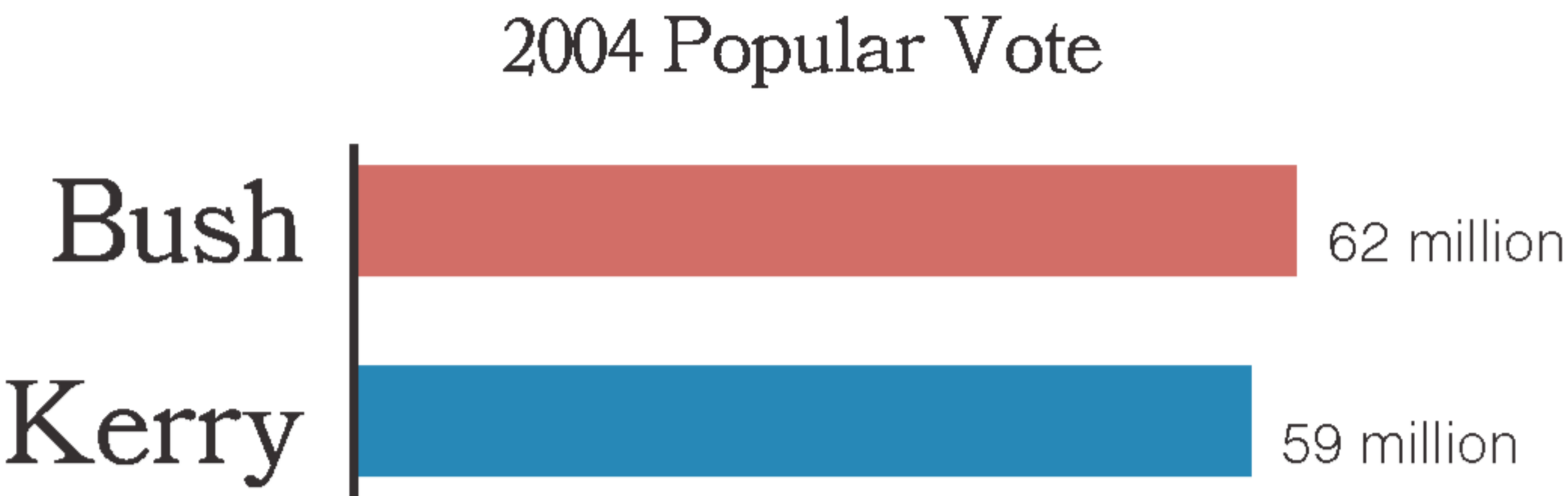
- Use colors/shadings to show data
- First in 1826
 - Illiteracy in France
- Perception problems?



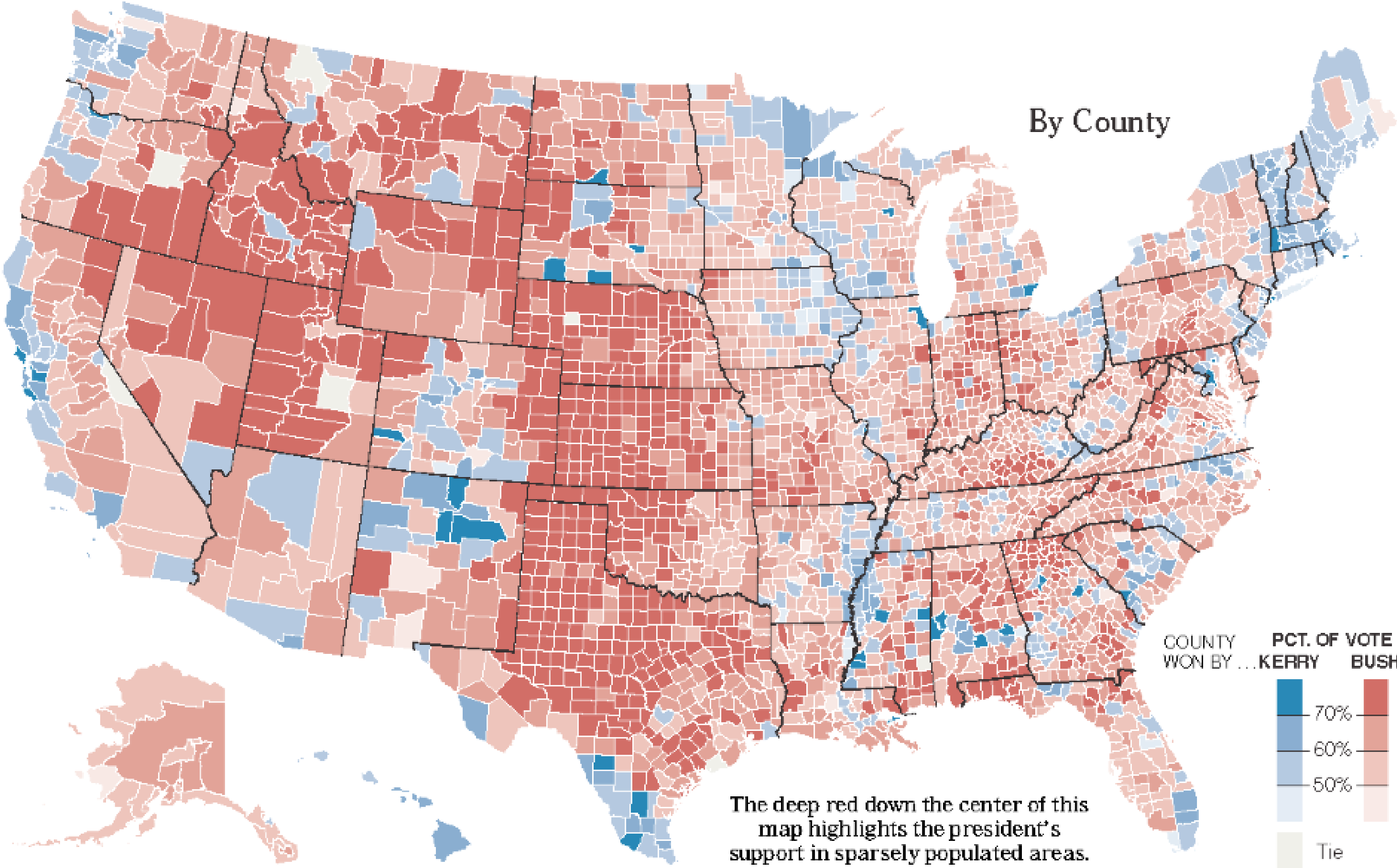
KERRY VS. BUSH (2004)



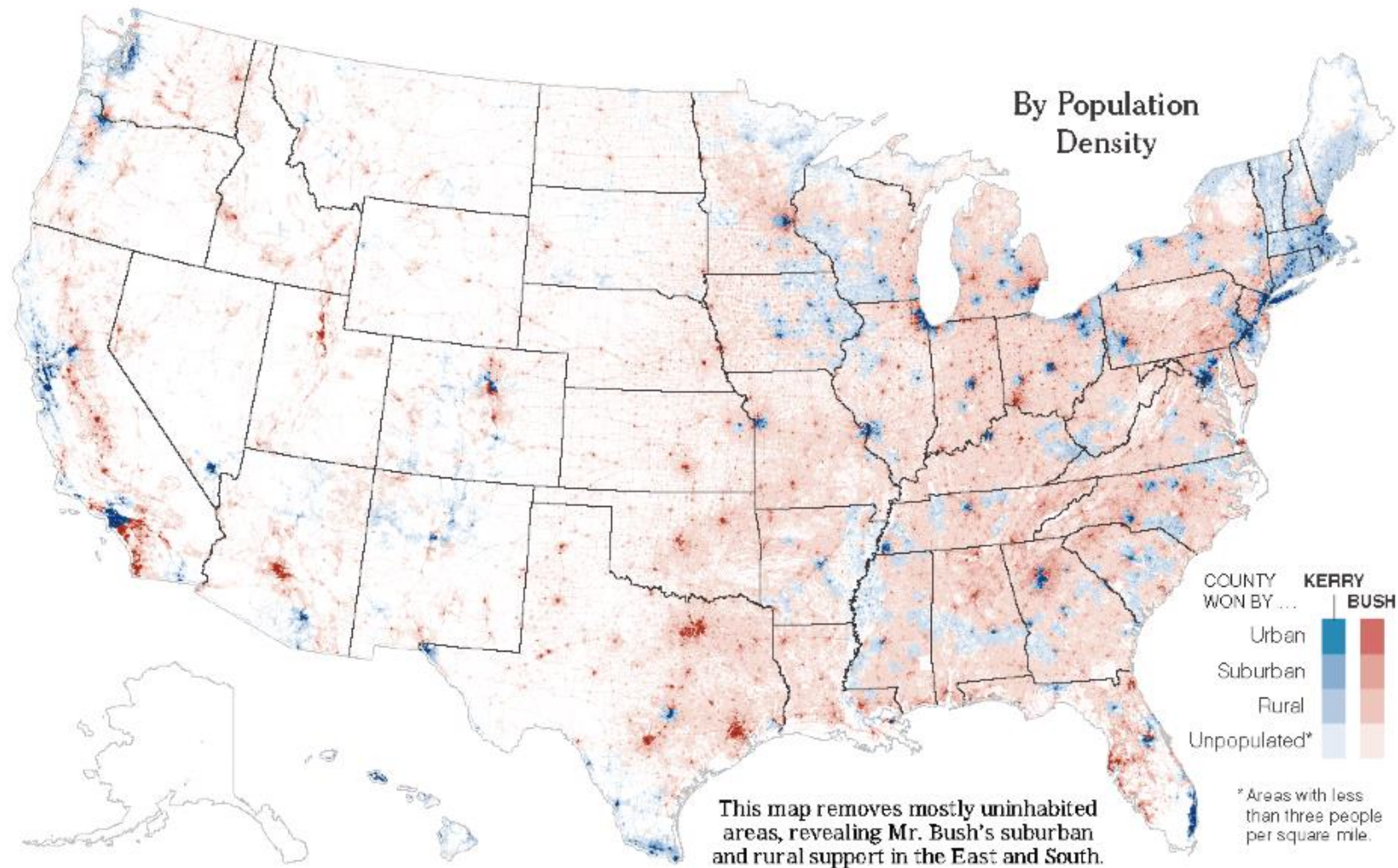
KERRY VS. BUSH (2004)



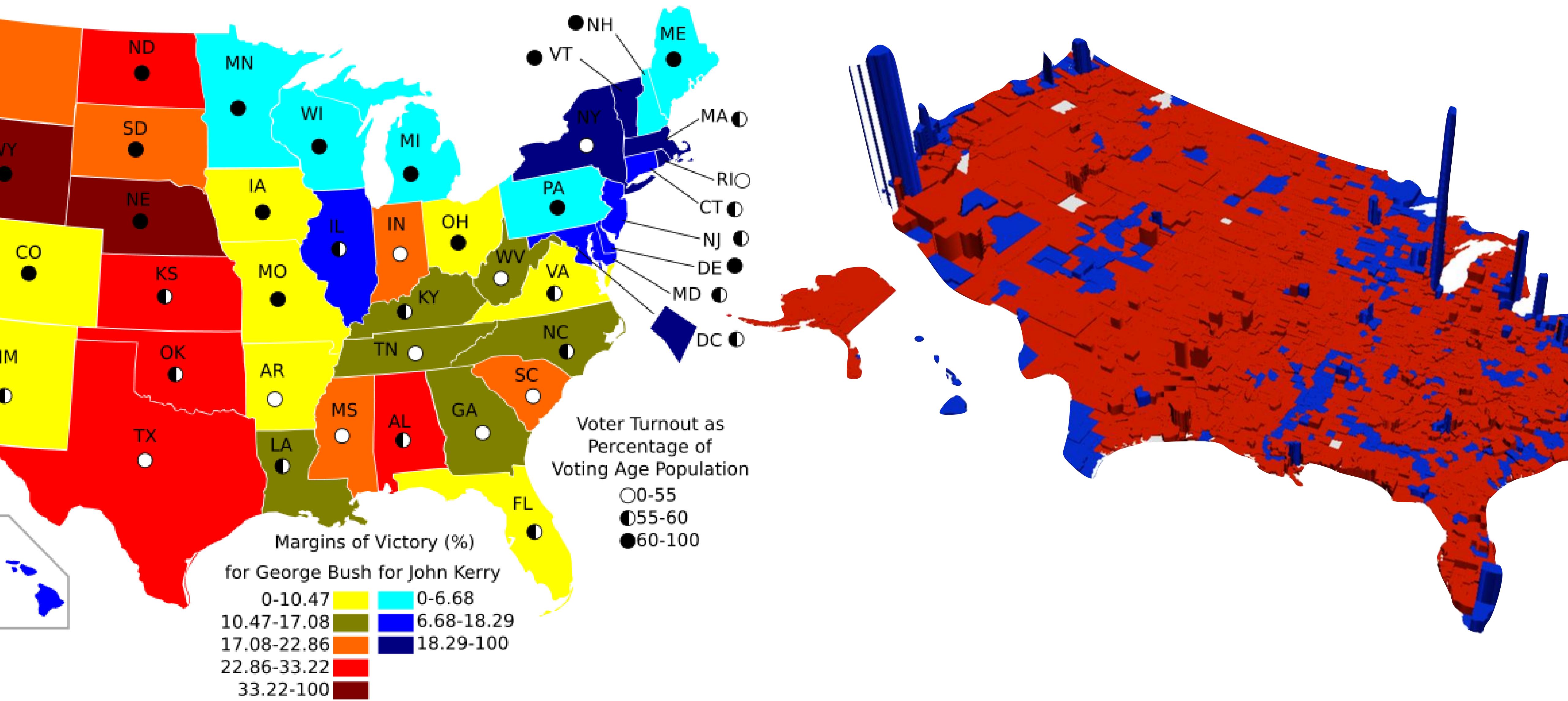
KERRY VS. BUSH (2004)



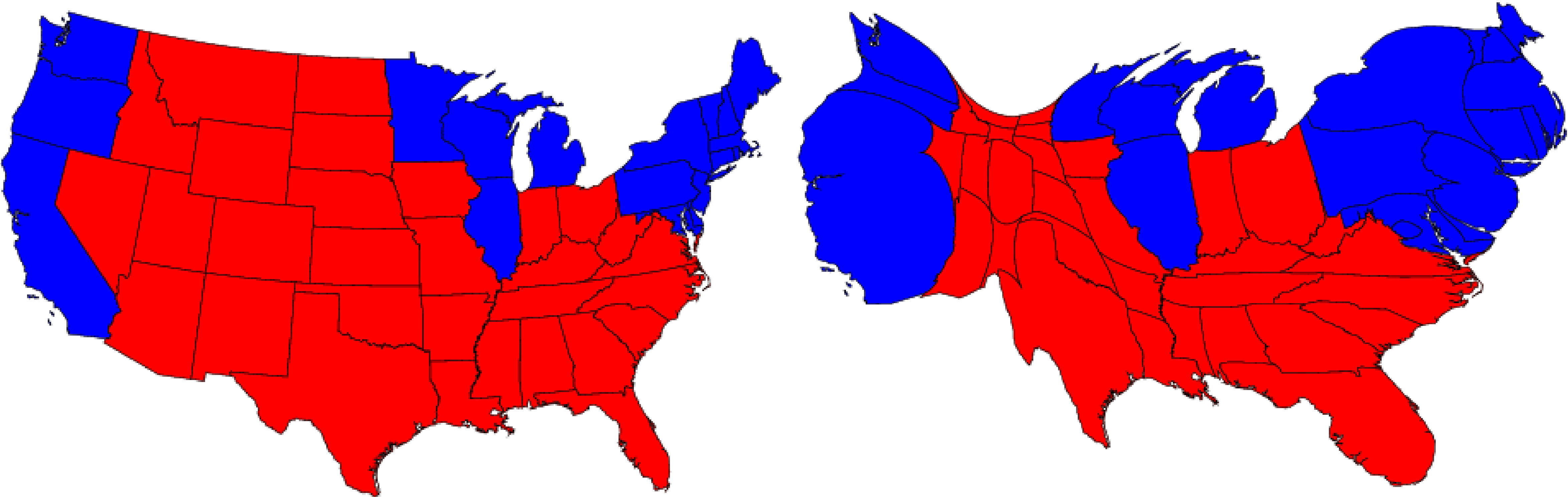
KERRY VS. BUSH (2004)



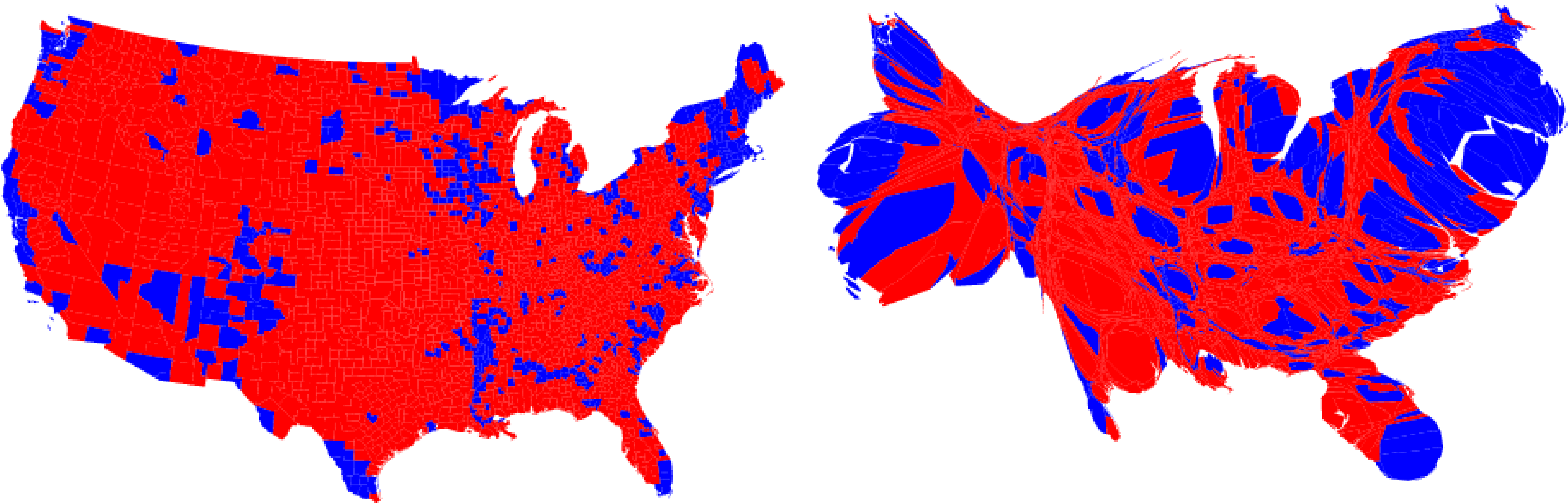
KERRY VS. BUSH (2004)



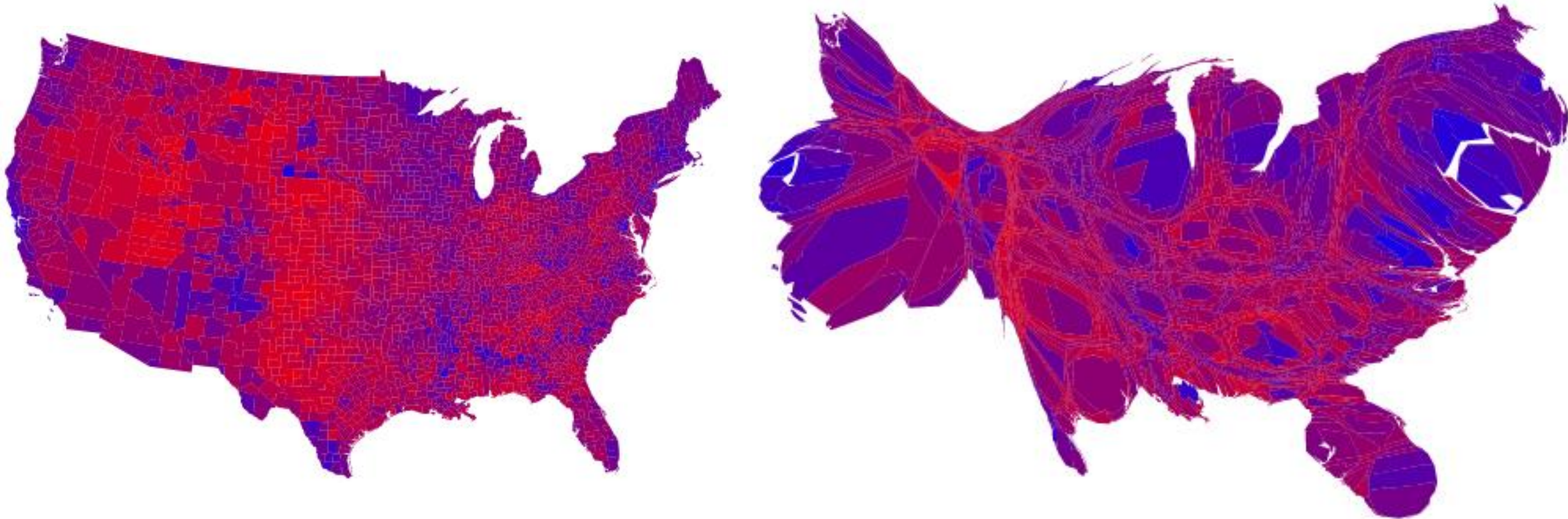
KERRY VS. BUSH (2004)



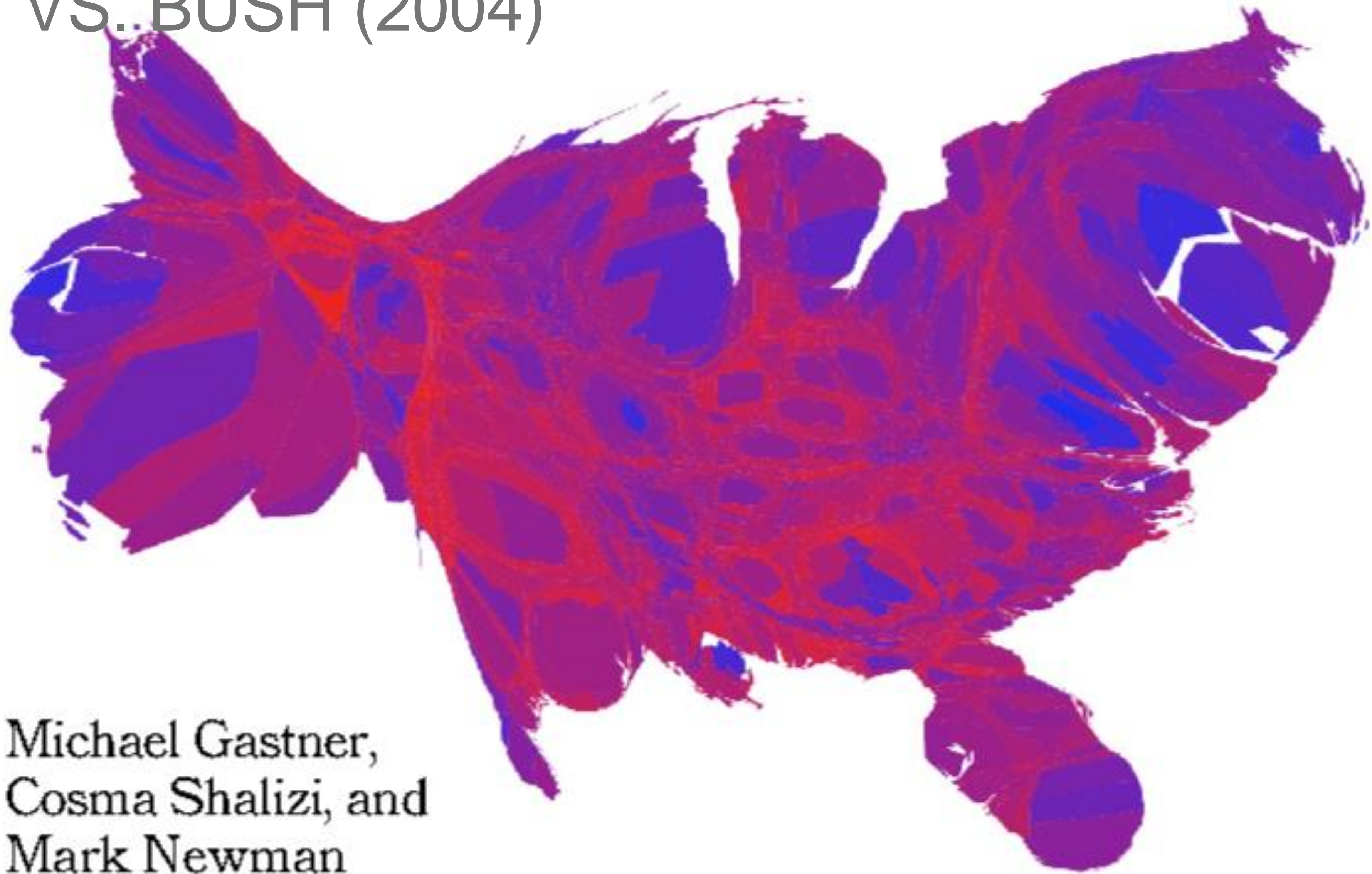
KERRY VS. BUSH (2004)



KERRY VS. BUSH (2004)



KERRY VS. BUSH (2004)

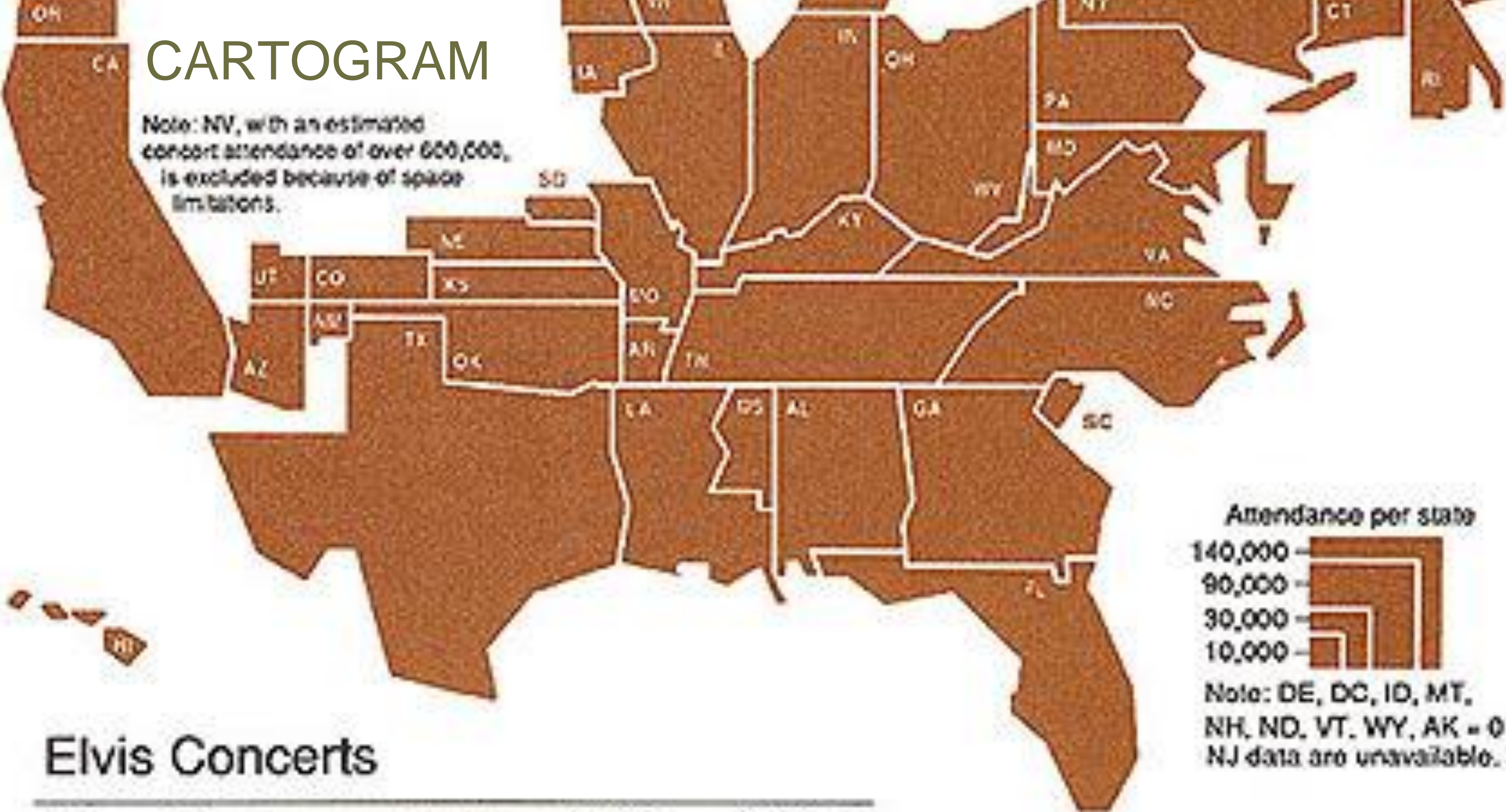


Michael Gastner,
Cosma Shalizi, and
Mark Newman

University of Michigan

CARTOGRAM

Note: NV, with an estimated concert attendance of over 600,000, is excluded because of space limitations.



Elvis Concerts

Attendance per State, 1970 - 1977

cylindrical



conical



azimuthal



azimuthal



polyconical



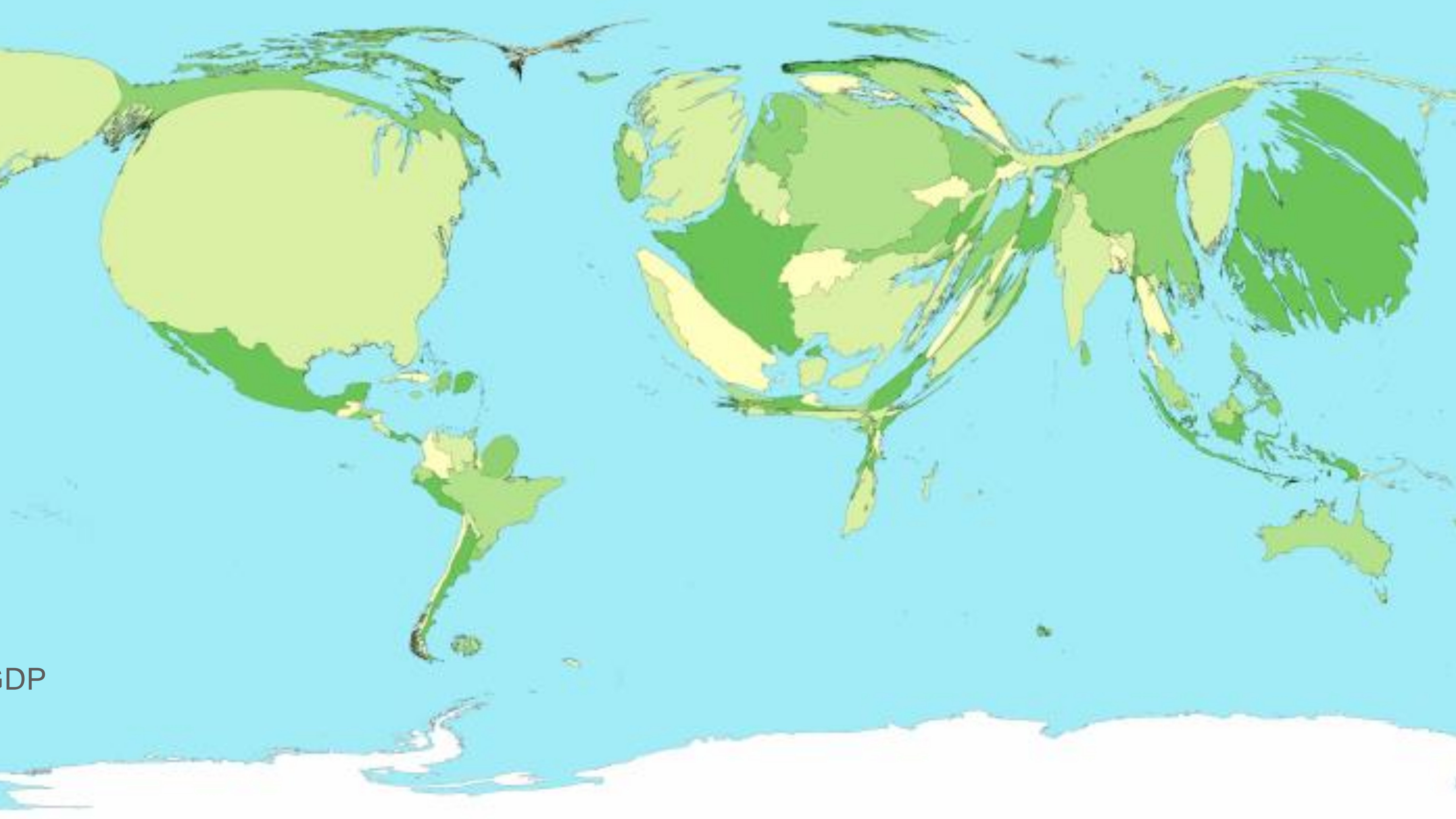
UNFOLDING THE EARTH: MYRIAHEDRAL PROJECTIONS

<https://www.youtube.com/watch?v=TMKaxQvJQp4>

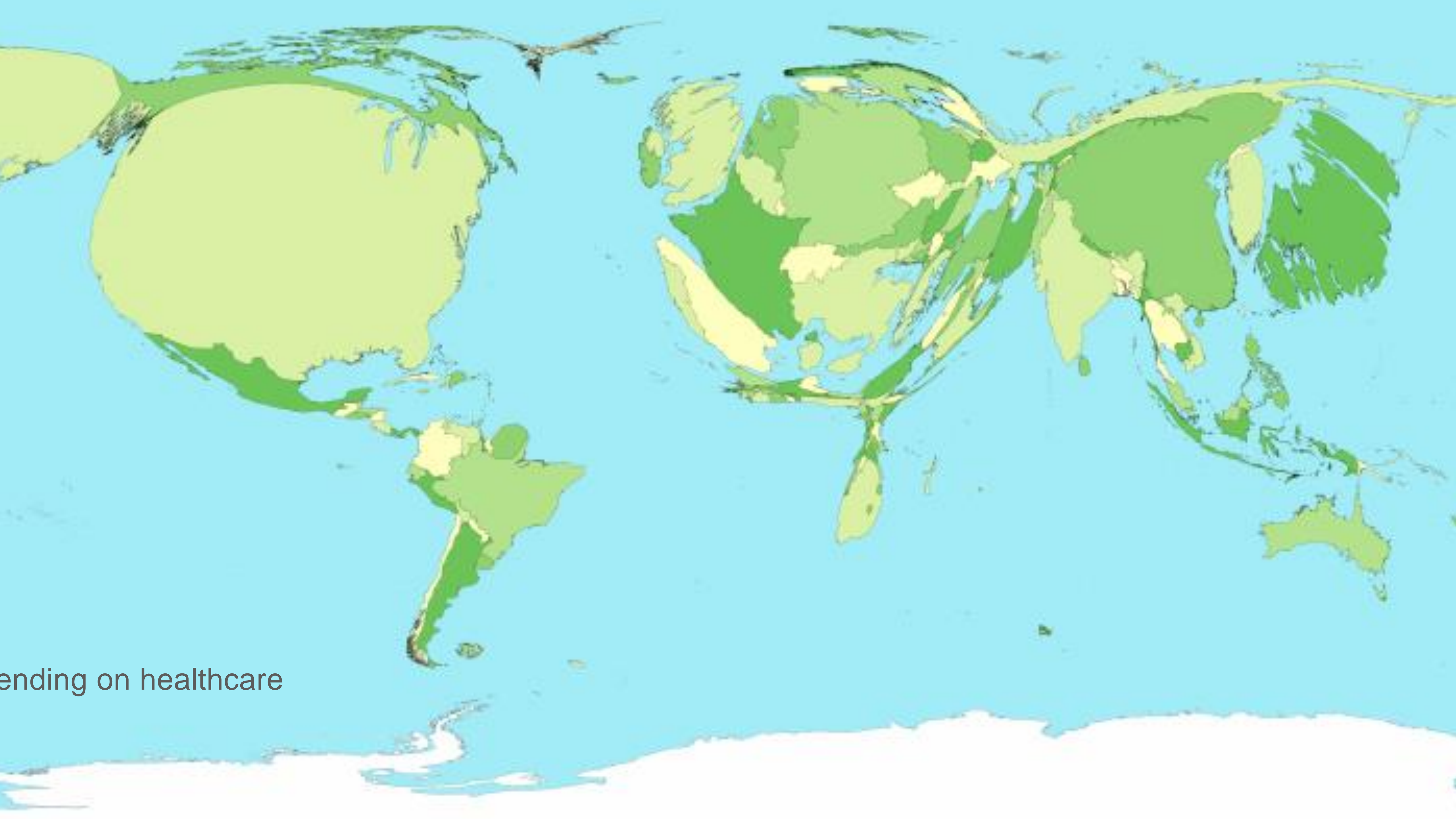
Jarke J. van Wijk. Unfolding the Earth: Myriahedral Projections. The Cartographic Journal, Vol. 45, No. 1, pp.32-42, February 2008.



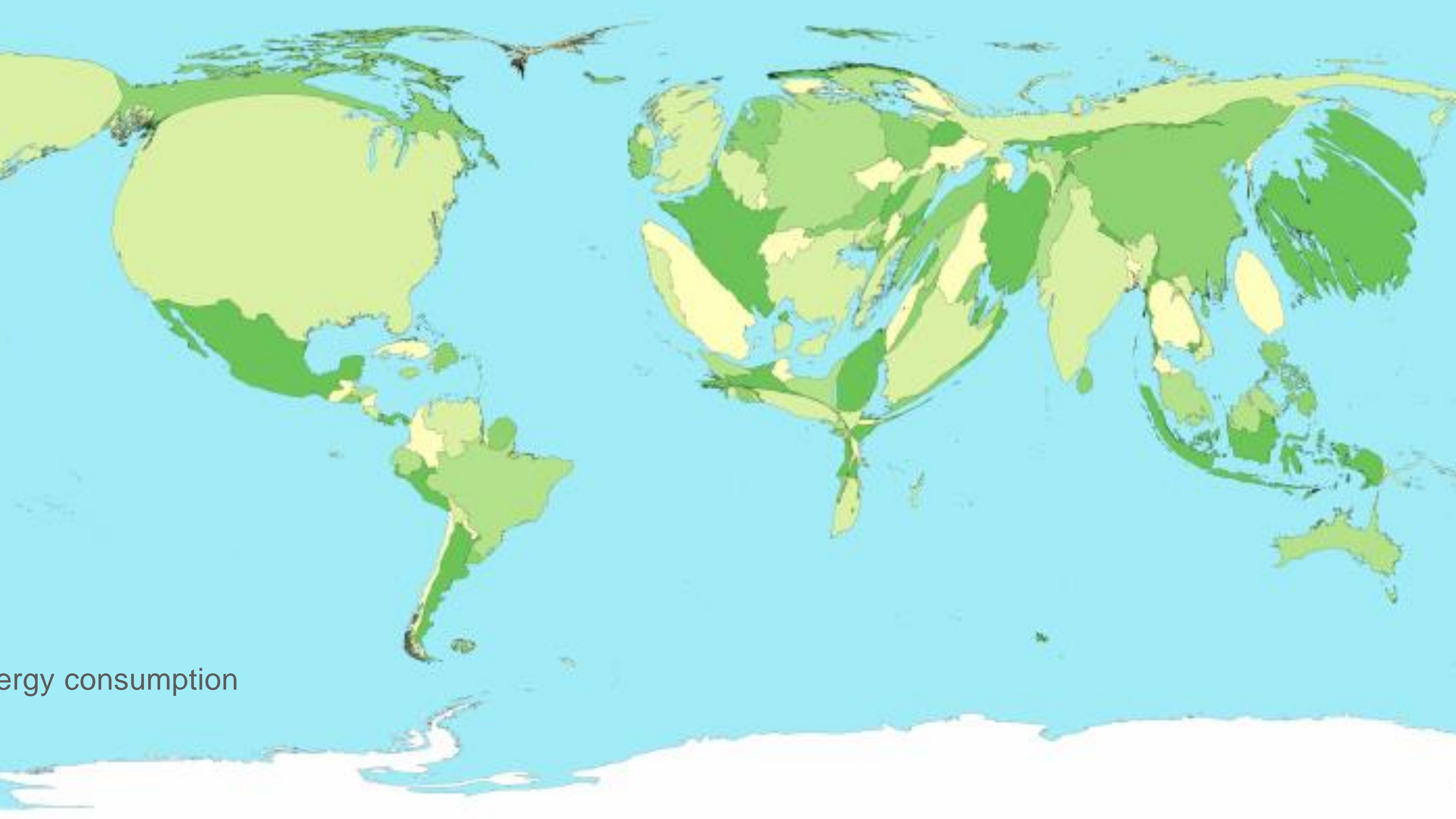
population based



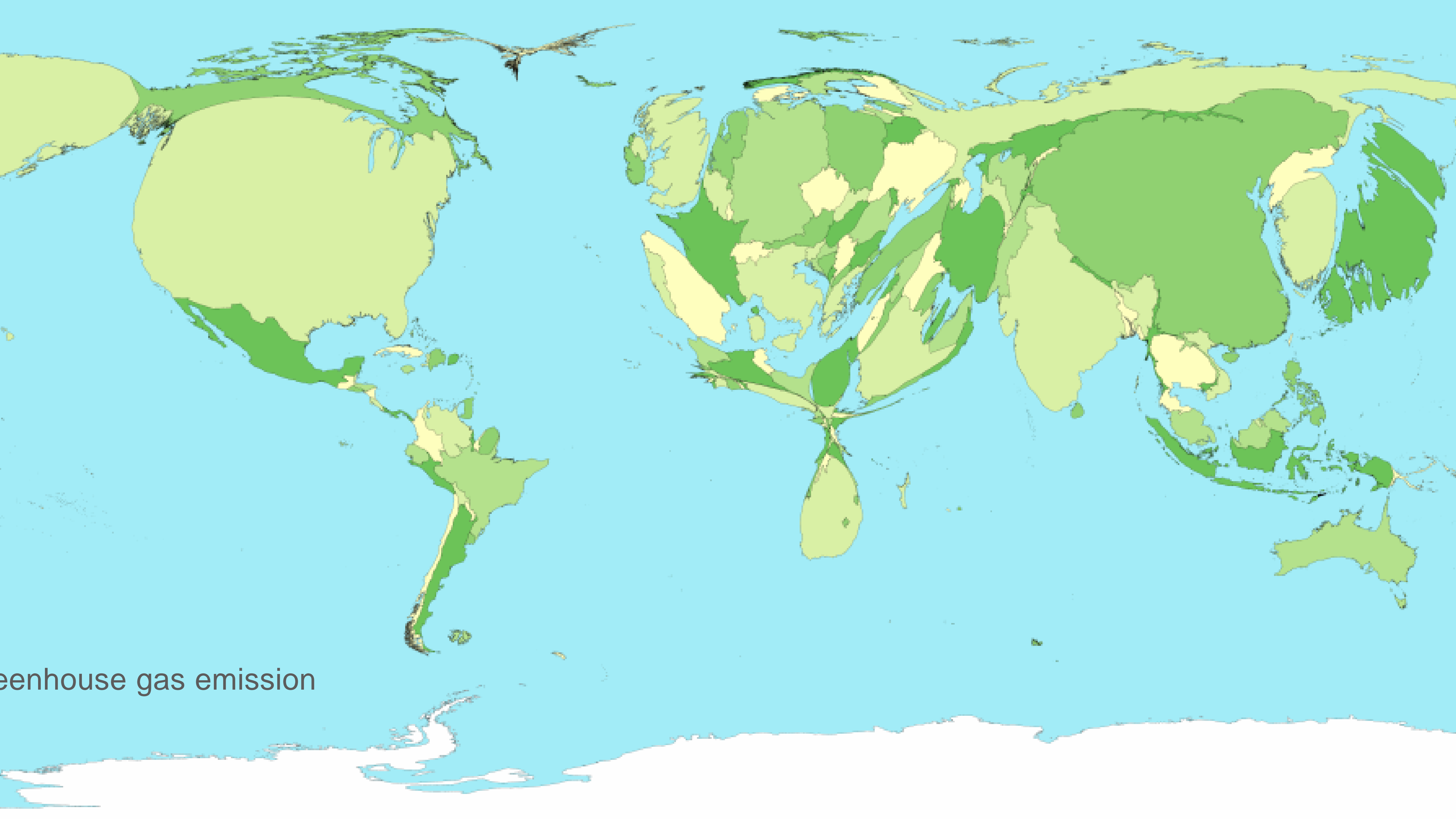
GDP



ending on healthcare



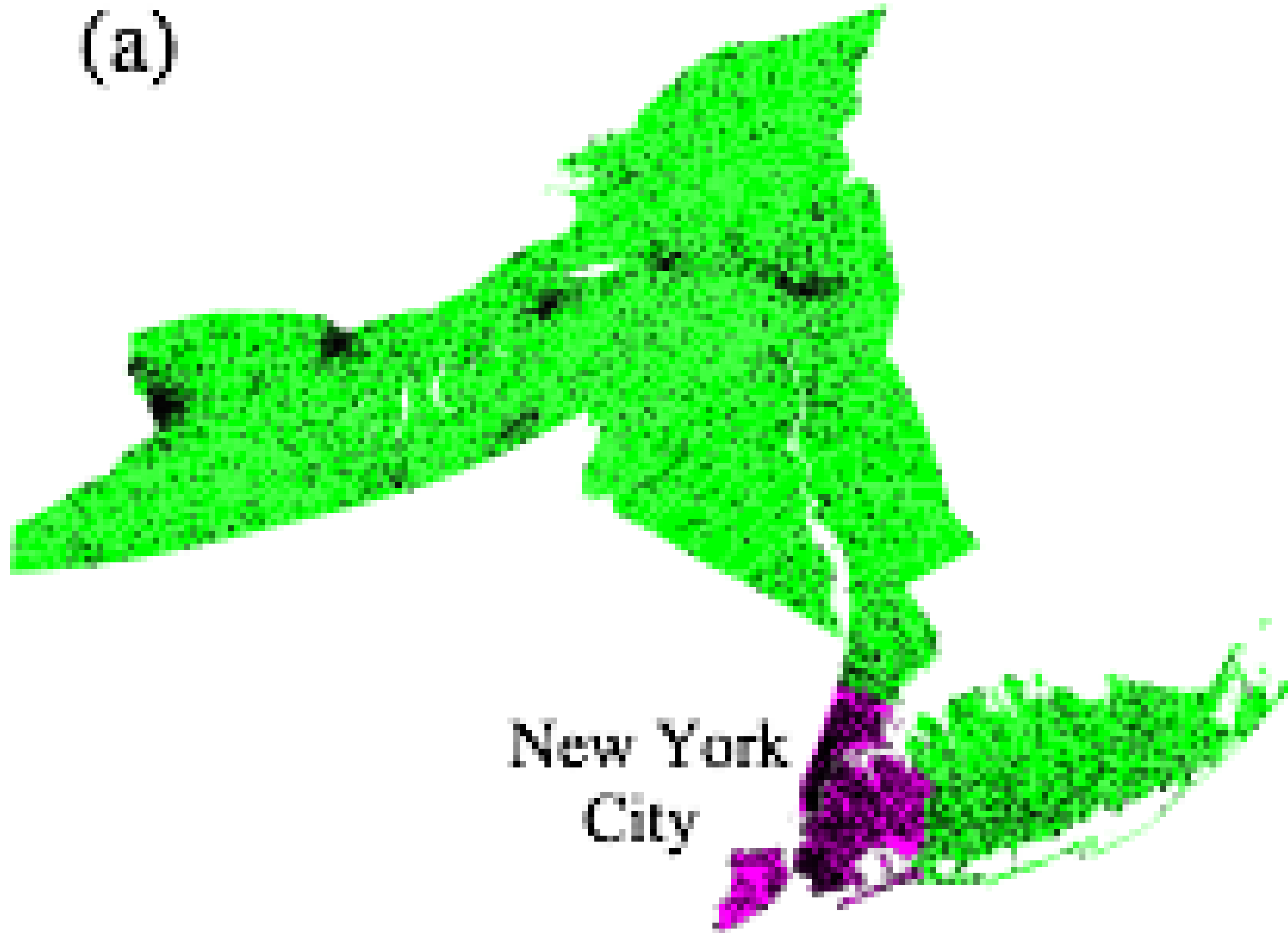
Energy consumption



Greenhouse gas emission

DENSITY-EQUALIZING MAP PROJECTION (2004)

(a)



(b)

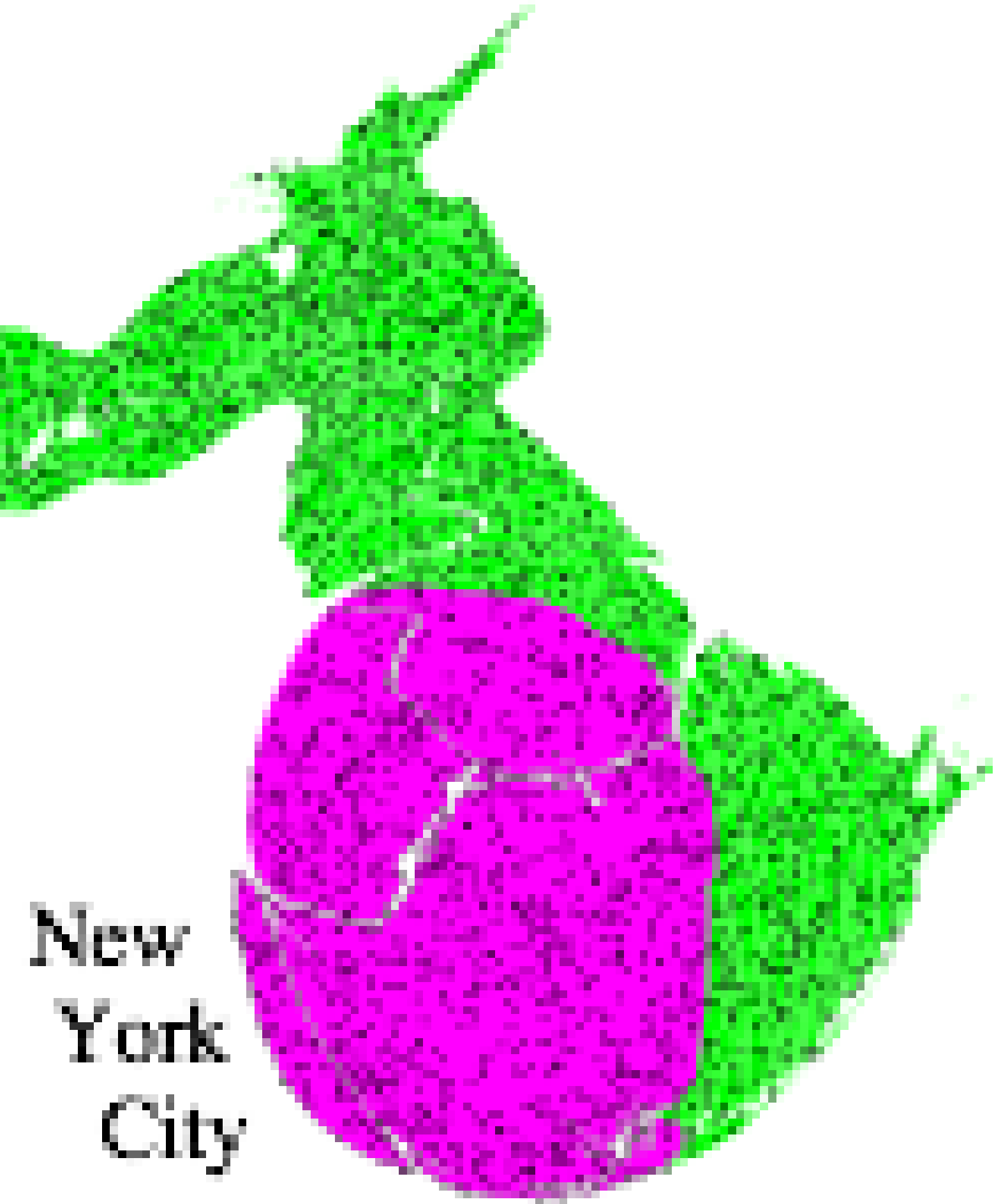


Figure 1.8 Airlines' view of the United States.

Maps can be scaled to units other than distance. In this case, airline fares are used instead of miles or other linear units.

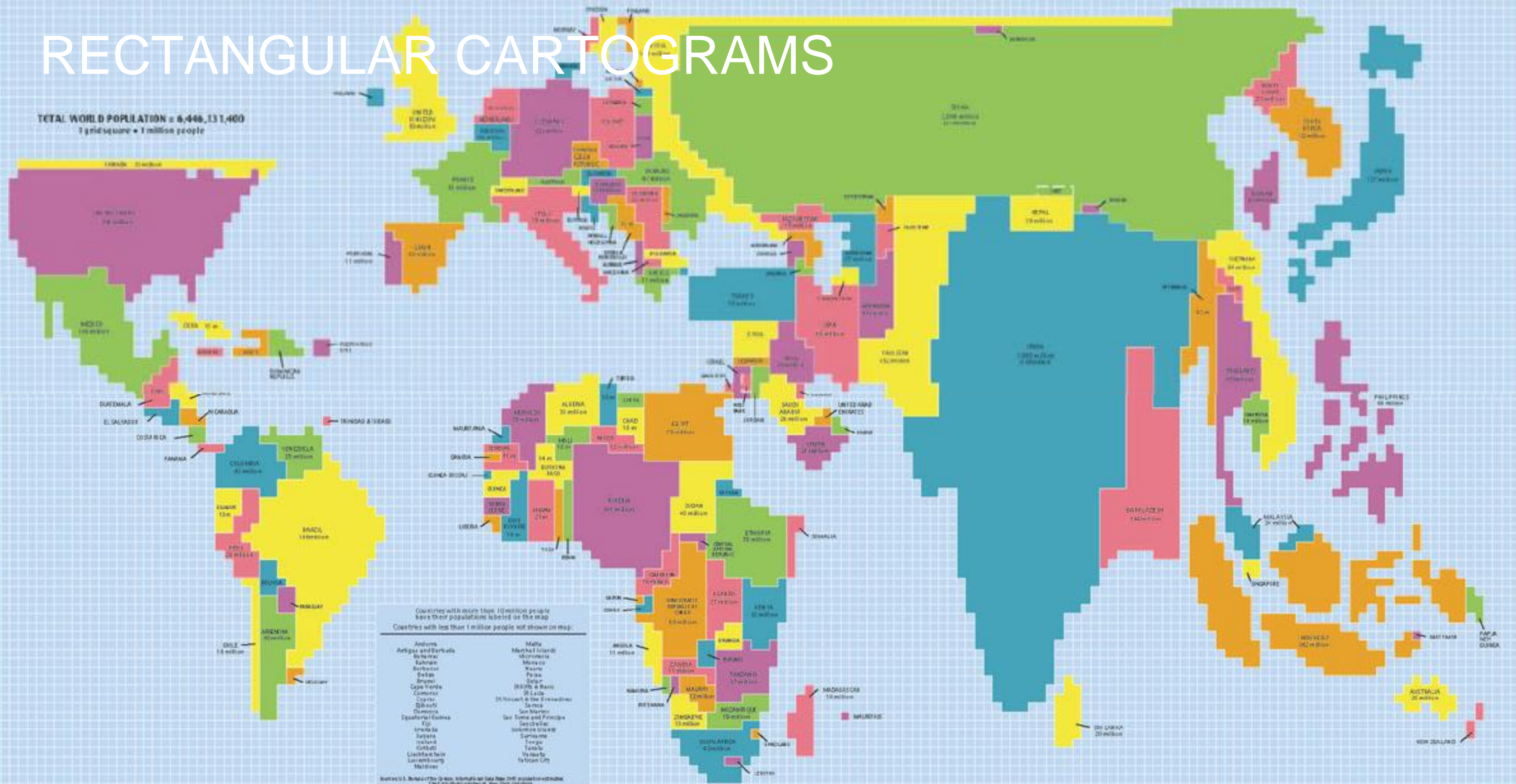
(Map copyright by the author.)



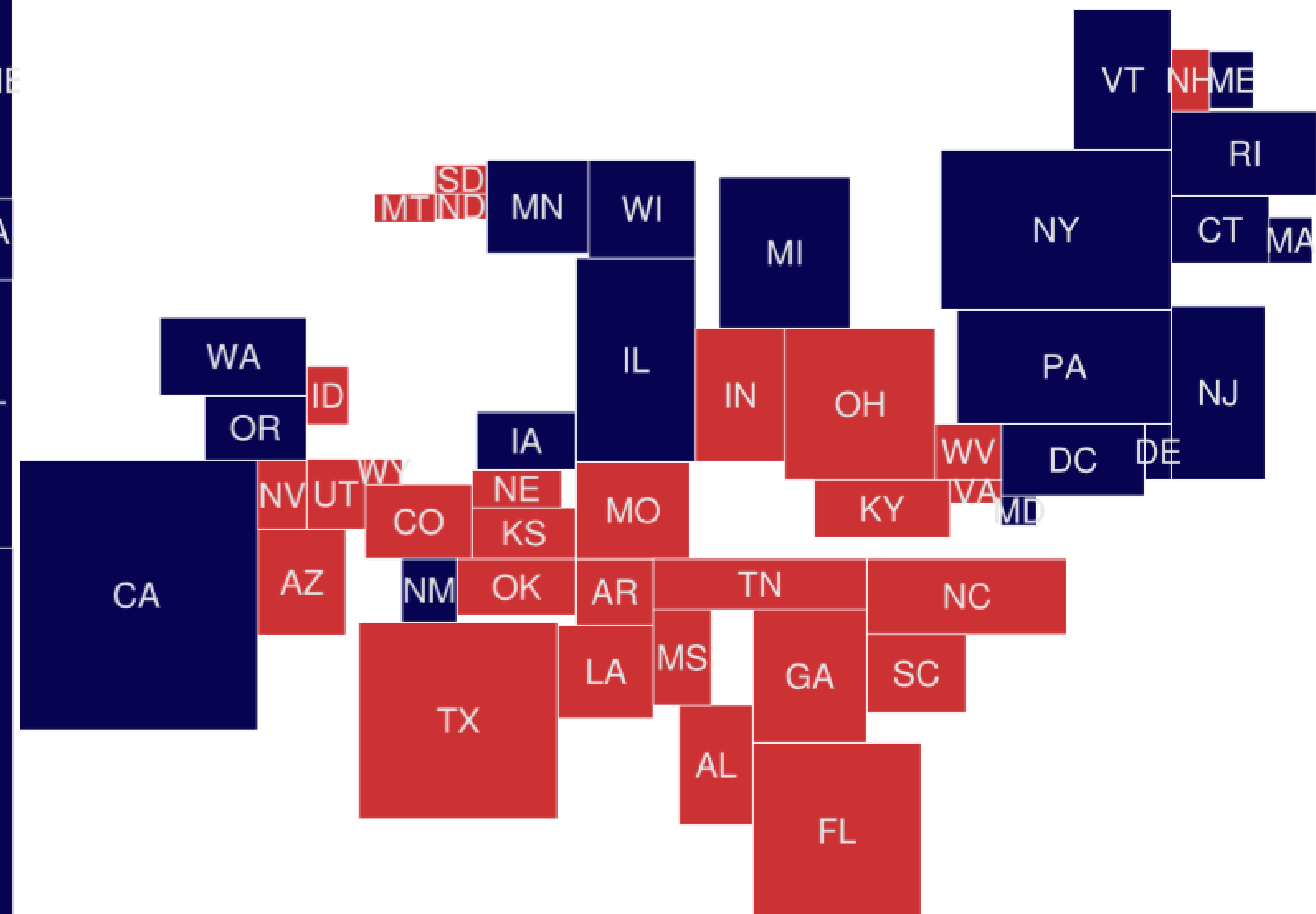
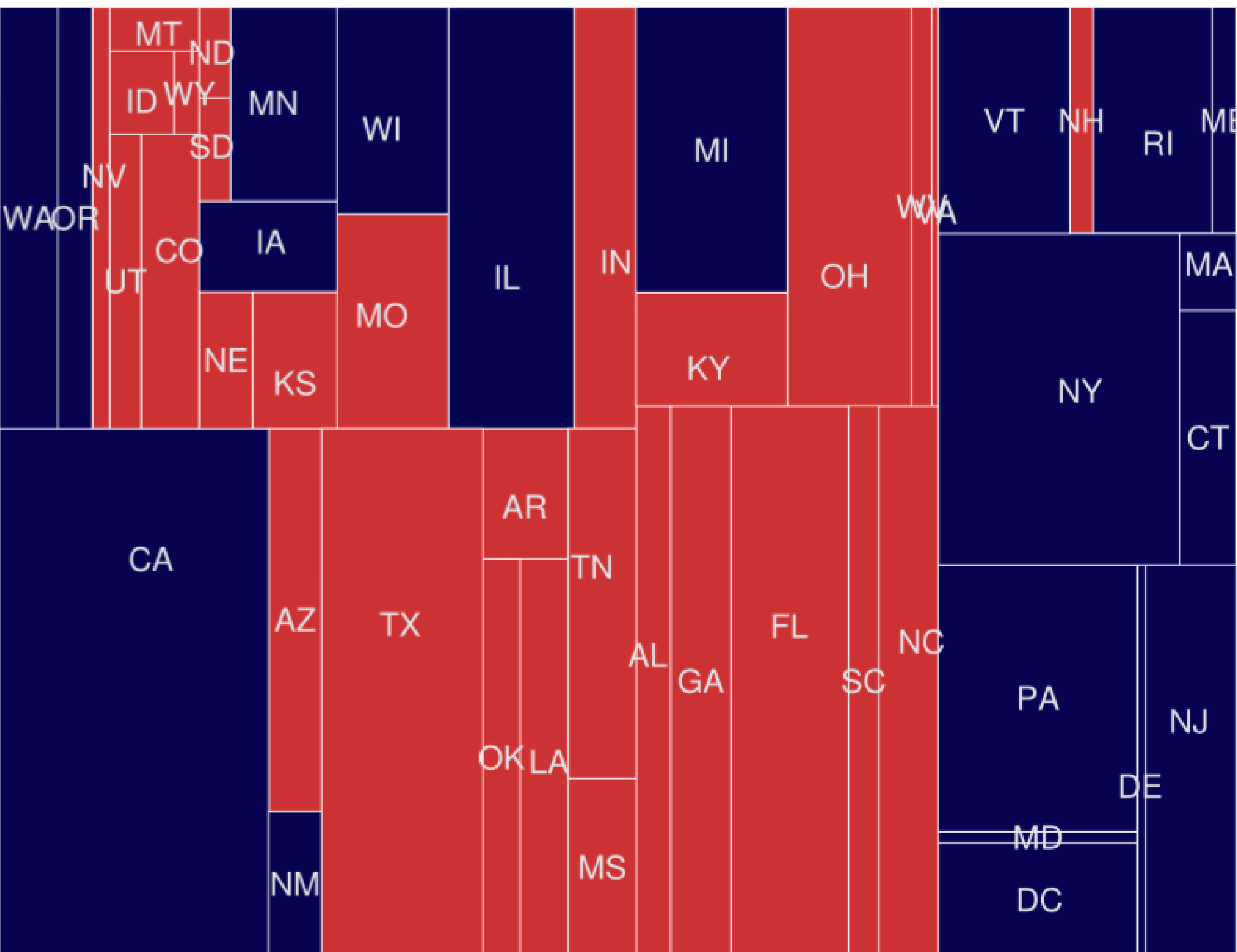
TRAFFIGRAM (2014)



TOTAL WORLD POPULATION = 6,446,131,460
1 grid square = 1 million people



RECMAP (2004)



GRID MAP

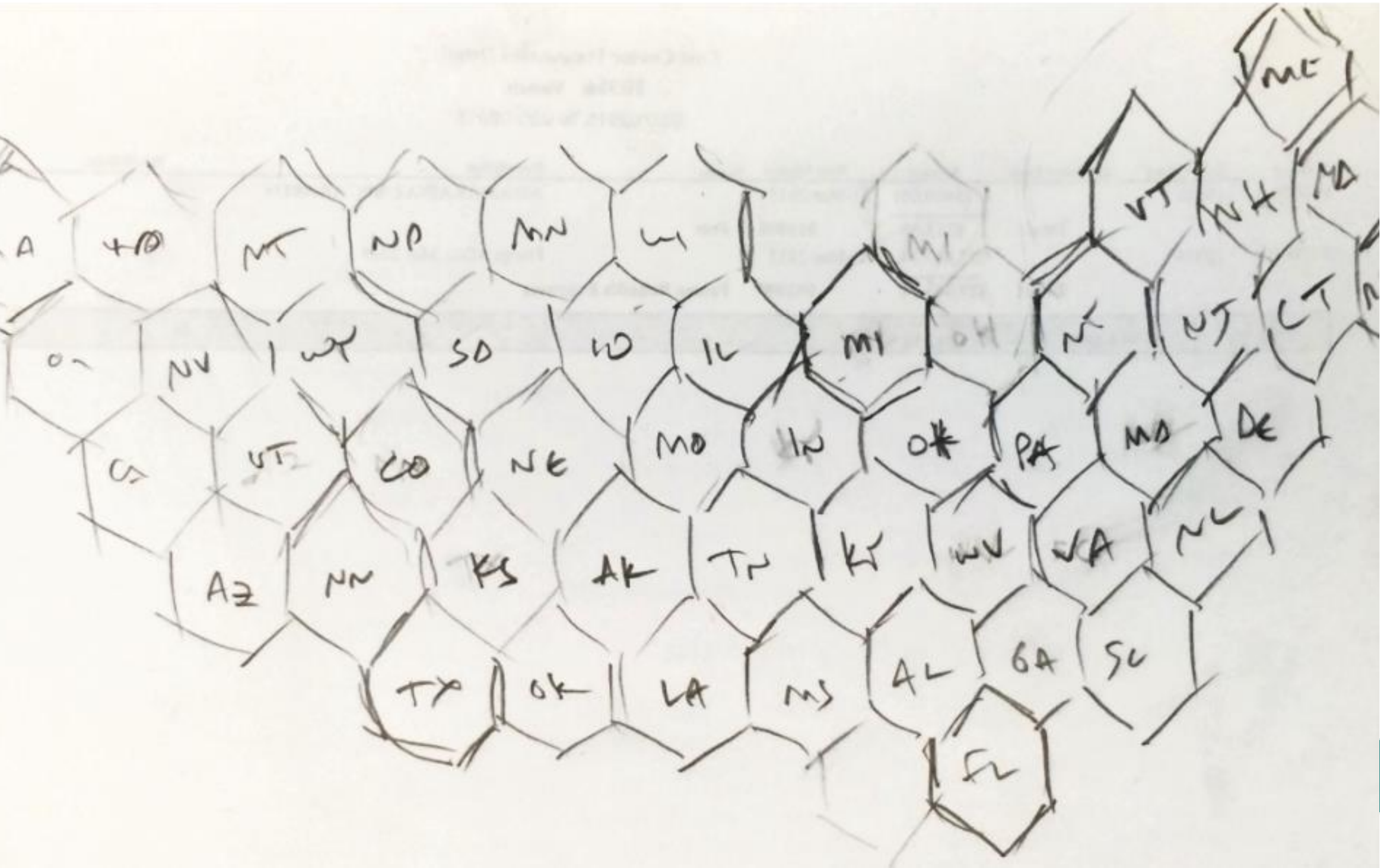
States with bans on same-sex marriage*

State	Ban Status
AK	Yes
HI	Yes
WA	Yes
MT	Yes
ND	Yes
SD	Yes
WI	Yes
MI	Yes
OR	Yes
ID	Yes
WY	Yes
NE	Yes
IA	Yes
IL	Yes
IN	Yes
OH	Yes
PA	Yes
NJ	No
CA	Yes
NV	Yes
UT	Yes
CO	Yes
KS	Yes
MO	Yes
KY	Yes
WV	Yes
DC	No
MD	No
DE	No
AZ	Yes
NM	No
OK	Yes
AR	Yes
TN	Yes
VA	Yes
NC	Yes
TX	Yes
LA	Yes
MS	Yes
AL	Yes
GA	Yes
SC	Yes
FL	Yes
ME	No
NH	No
VT	No
NY	No
CT	No
RI	No
MA	No
MN	No

[illegible]

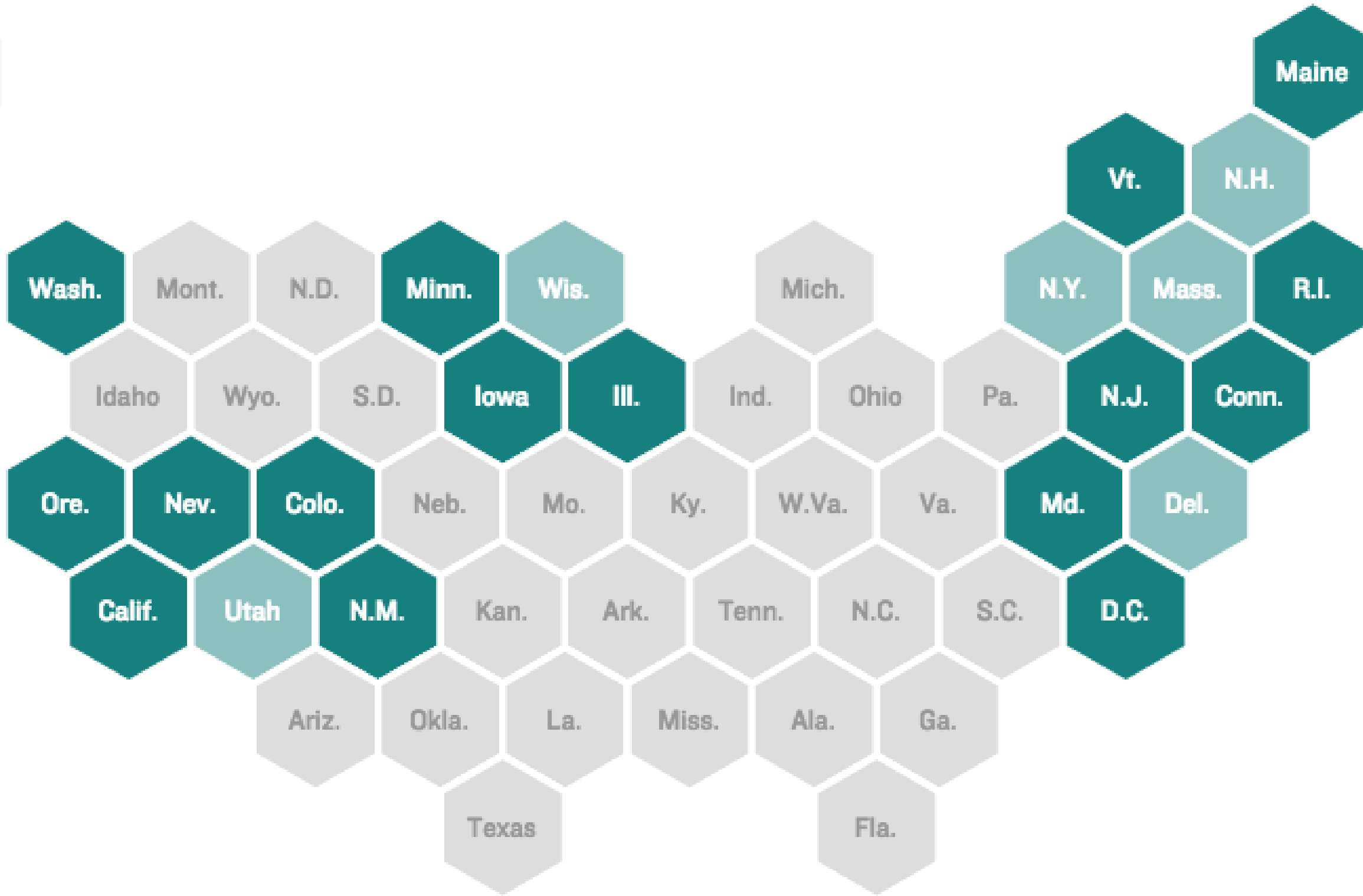
AK	but not marriage										ME
									NY	VT	NH
	WA	MT	ND	SD	MN	WI	MI		CT	RI	MA
	OR	ID	WY	NE	IA	IL	IN	OH	PA	NJ	
CA	NV	UT	CO	KS	MO	KY	WV	DC	MD	DE	
		AZ	NM	OK	AR	TN	VA	NC			
			TX	LA	MS	AL	GA	SC			
HI							FL				

GRID MAP



Alaska

Hawaii



Obama **243** Needs 27
ELECTORAL VOTES to win

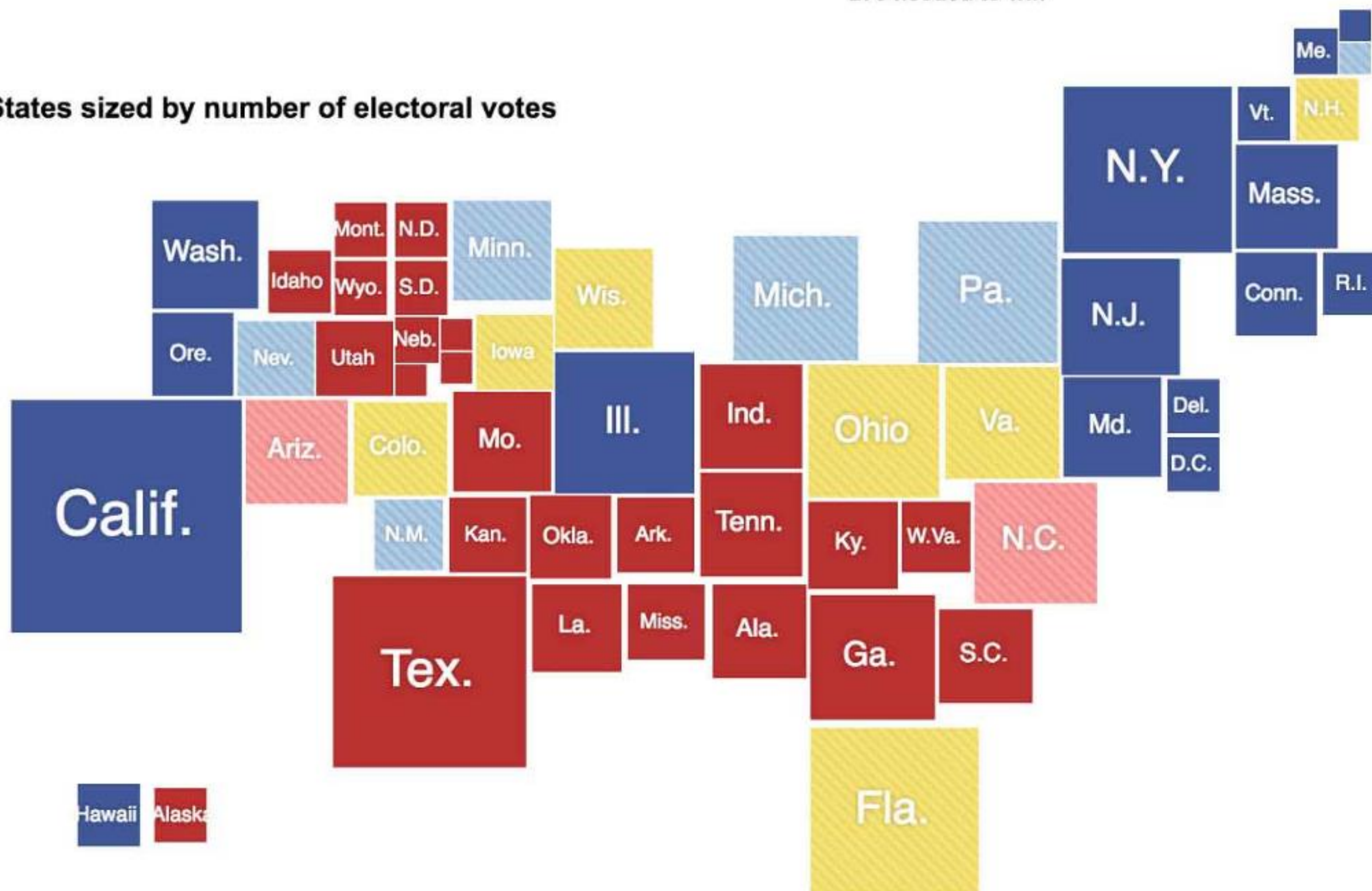
Needs 64
to win

206

Romney
ELECTORAL VOTES



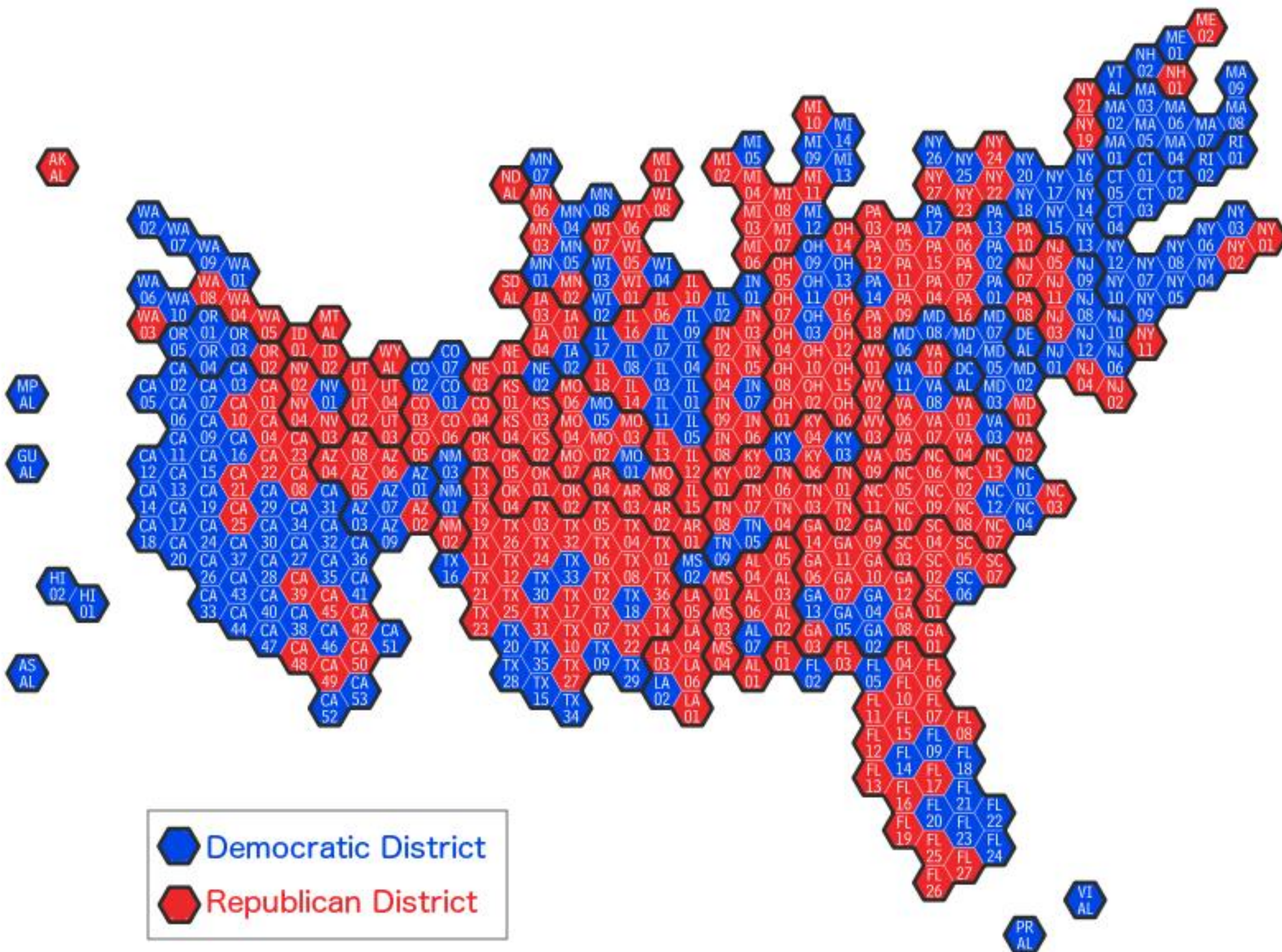
States sized by number of electoral votes

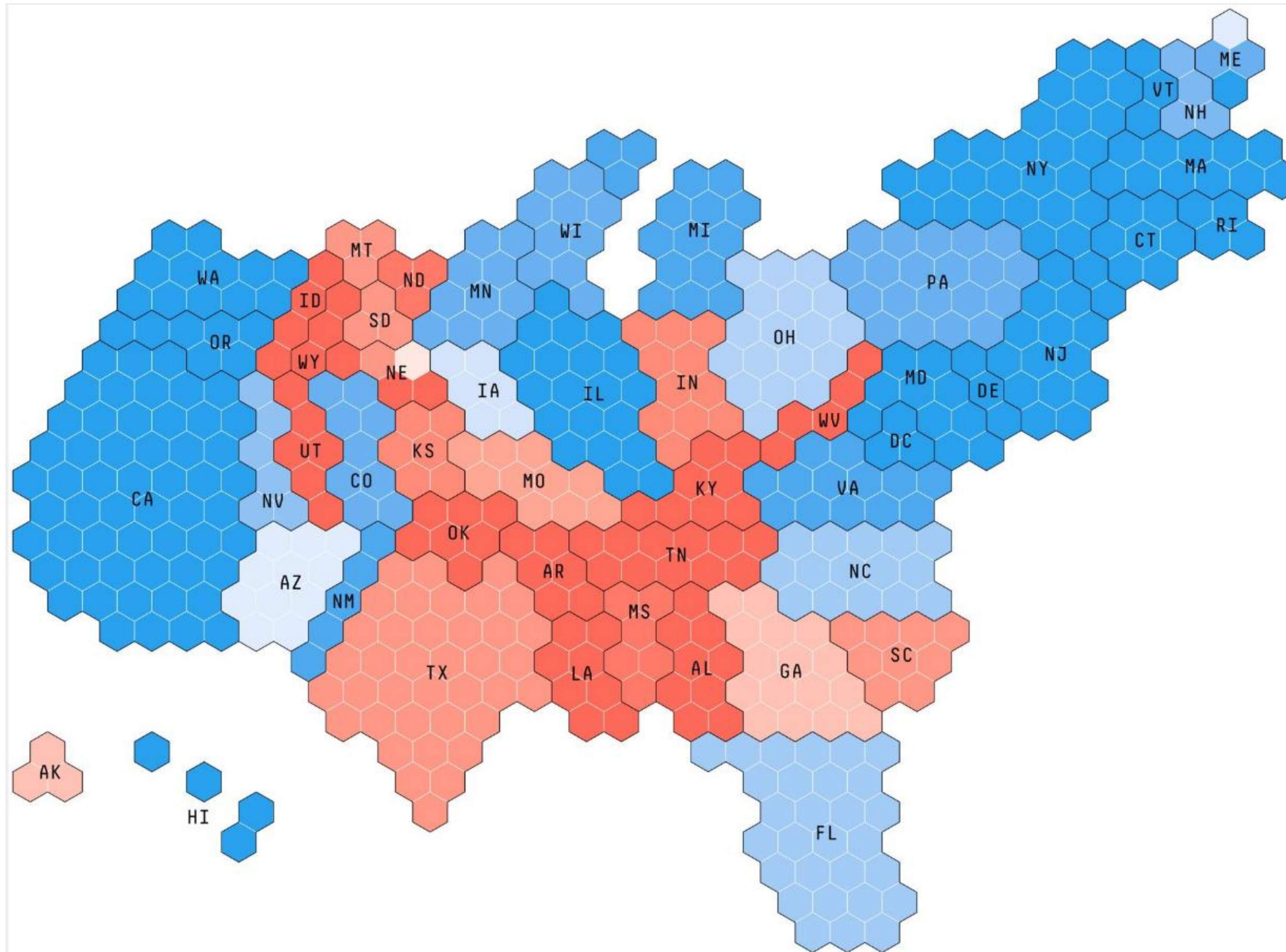


Maine and Nebraska give two electoral votes to the statewide winner and allocate the rest by congressional district.

Geographic View









Mapping America: Every City, Every Block

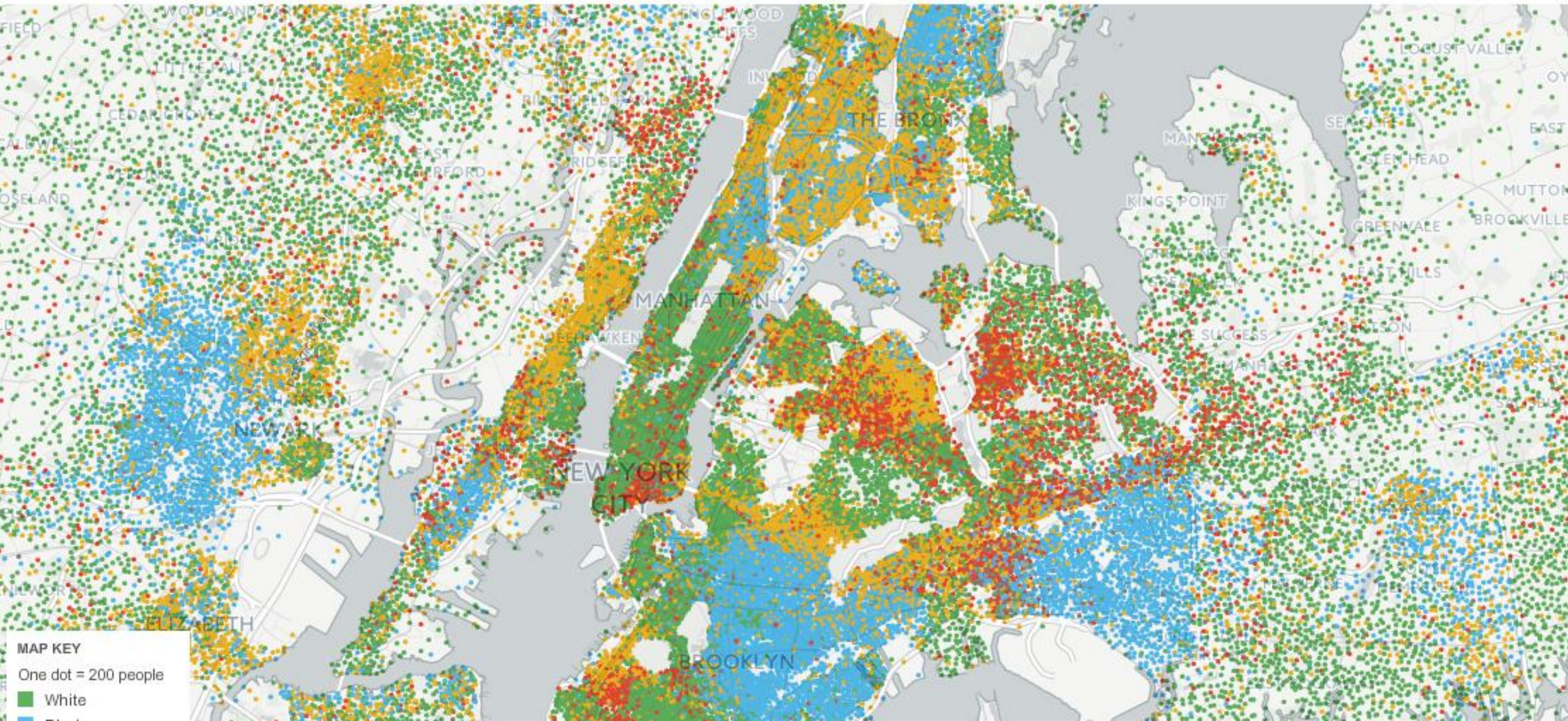
Find something interesting? Share this view on [Twitter](#) or [Facebook](#)

Browse local data from the Census Bureau's American Community Survey, based on samples from 2005 to 2009. Because these figures are based on samples, they are subject to a margin of error, particularly in places with a low population, and are best regarded as estimates.

[View Readers Maps \(49\)](#)

Distribution of racial and ethnic groups

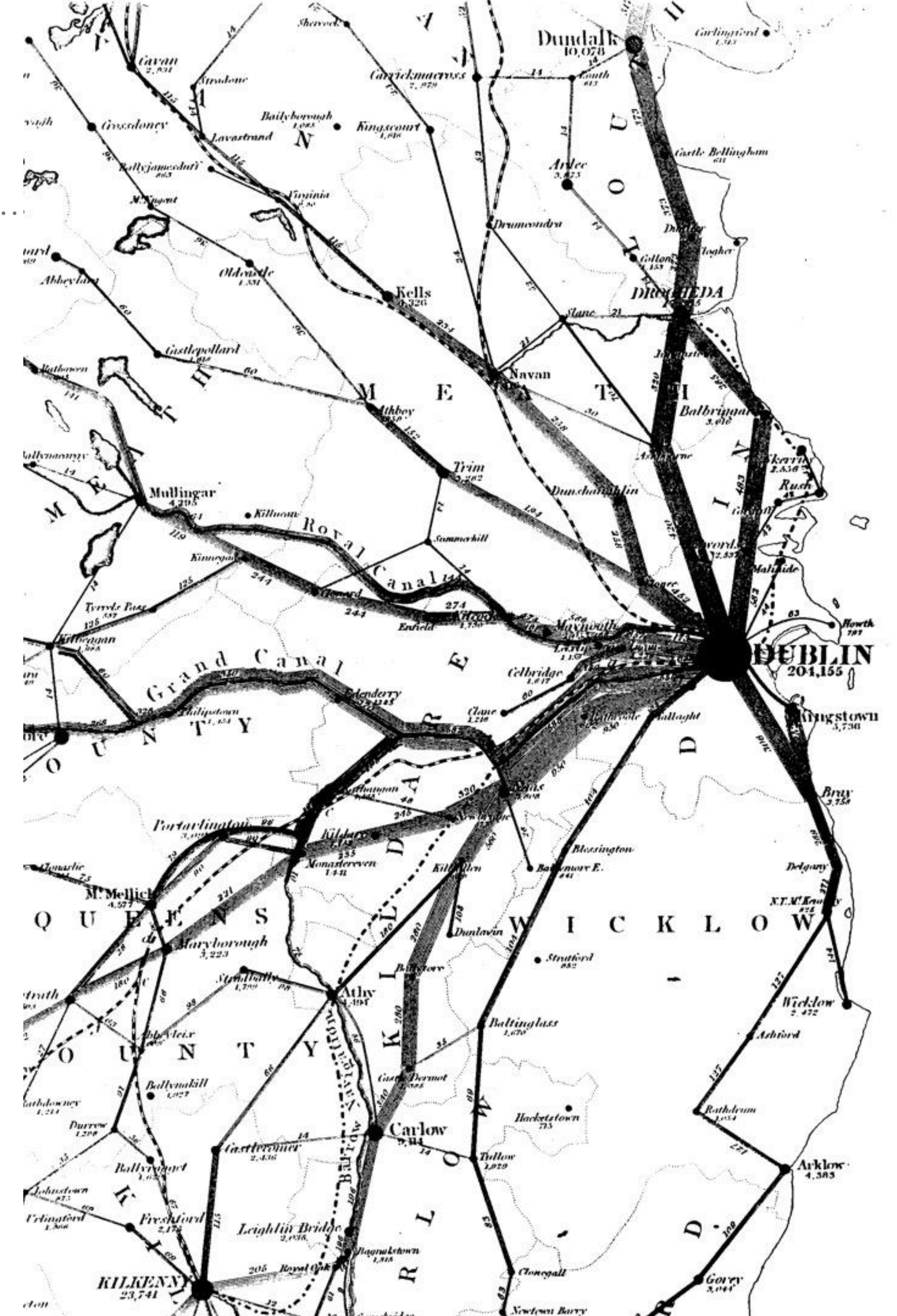
[View More Maps](#)



MAP KEY
One dot = 200 people
■ White
■ Black
■ Hispanic

FLOW MAPS

- First in 1837
- Transportation of Passengers in Ireland



Carte Figurative des pertes successives en hommes de l'Armée Française dans la campagne de Russie 1812-1813.

Dressée par M. Minard, Inspecteur Général des Ponts et Chaussées en retraite Paris, le 20 Novembre 1869.

Les nombres d'hommes présents sont représentés par les largeurs des zones colorées à raison d'un millimètre pour dix mille hommes; ils sont de plus écrits en travers des zones. Le rouge désigne les hommes qui entrent en Russie, le noir ceux qui en sortent. — Les renseignements qui ont servi à dresser la carte ont été puisés dans les ouvrages de M. M. Chiers, de Ségur, de Fezensac, de Chambray et le journal inédit de Jacob, pharmacien de l'Armée depuis le 28 Octobre. Pour mieux faire juger à l'œil la diminution de l'armée, j'ai supposé que les corps du Prince Jérôme et du Maréchal Davout qui avaient été détachés sur Minsk et Mohilow et qui rejoignent vers Orscha et Witebsk, avaient toujours marché avec l'armée.

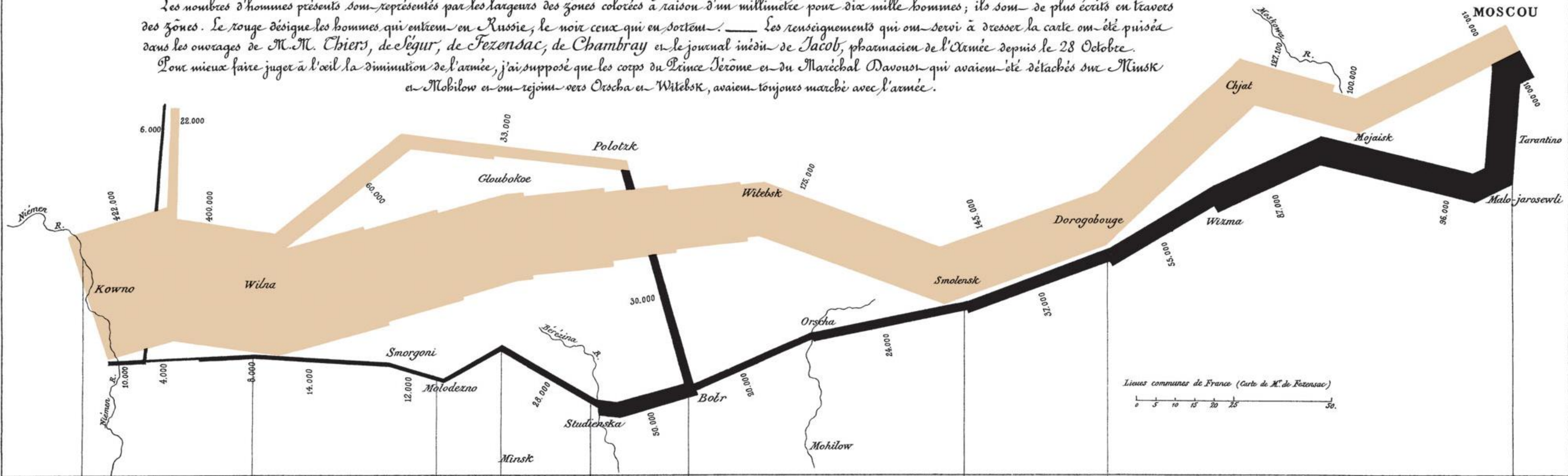
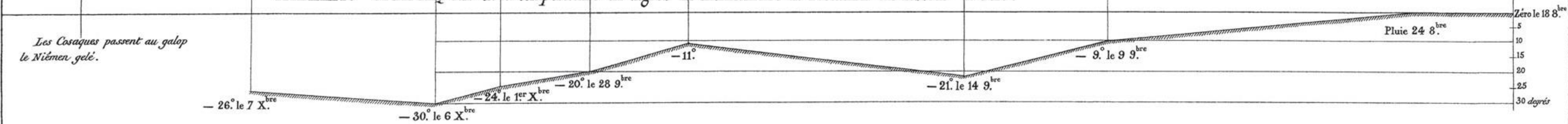


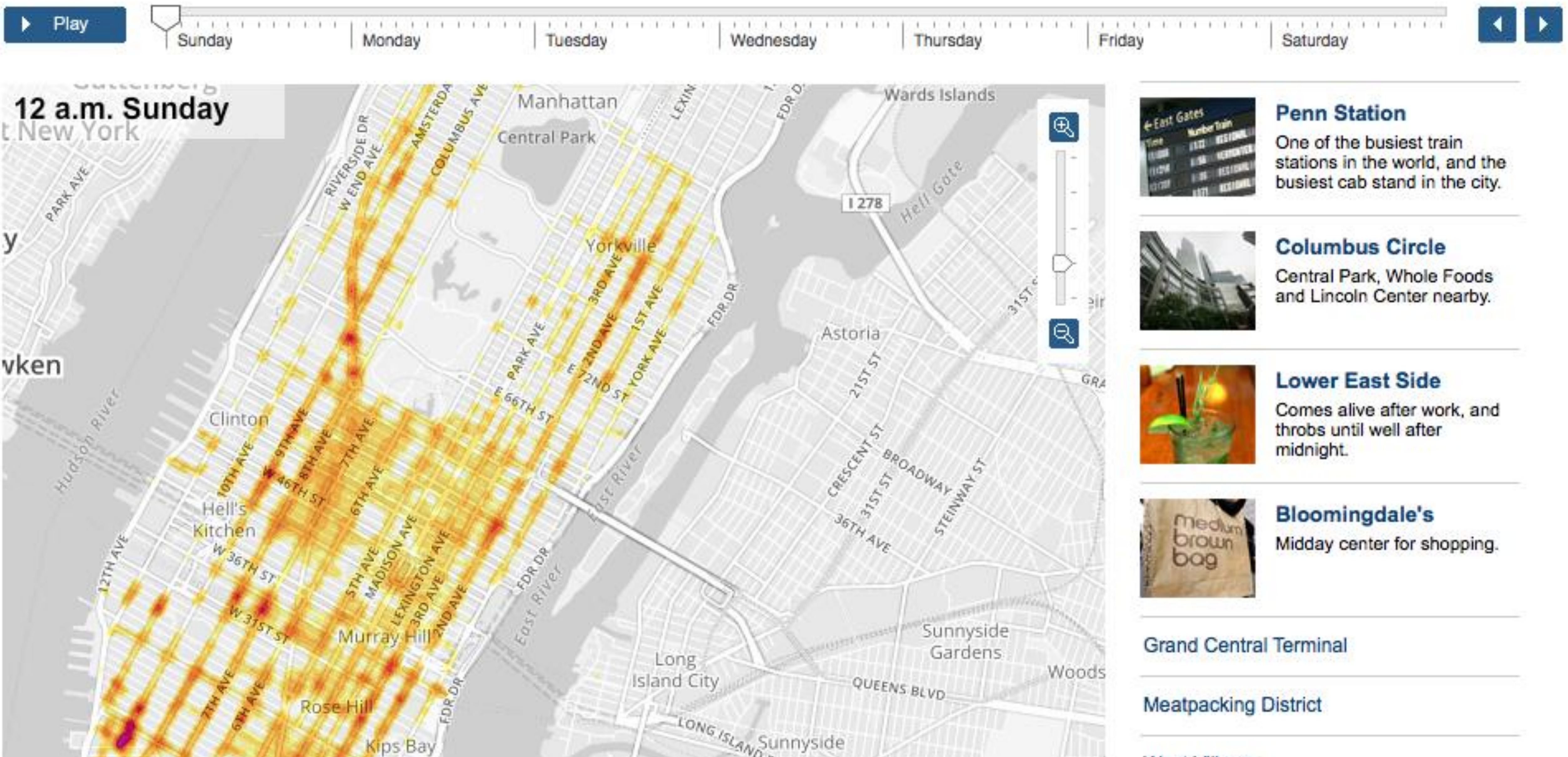
TABLEAU GRAPHIQUE de la température en degrés du thermomètre de Réaumur au dessous de zéro.



FLOW MAP LAYOUT (2005)



TIME-VARYING MAPS



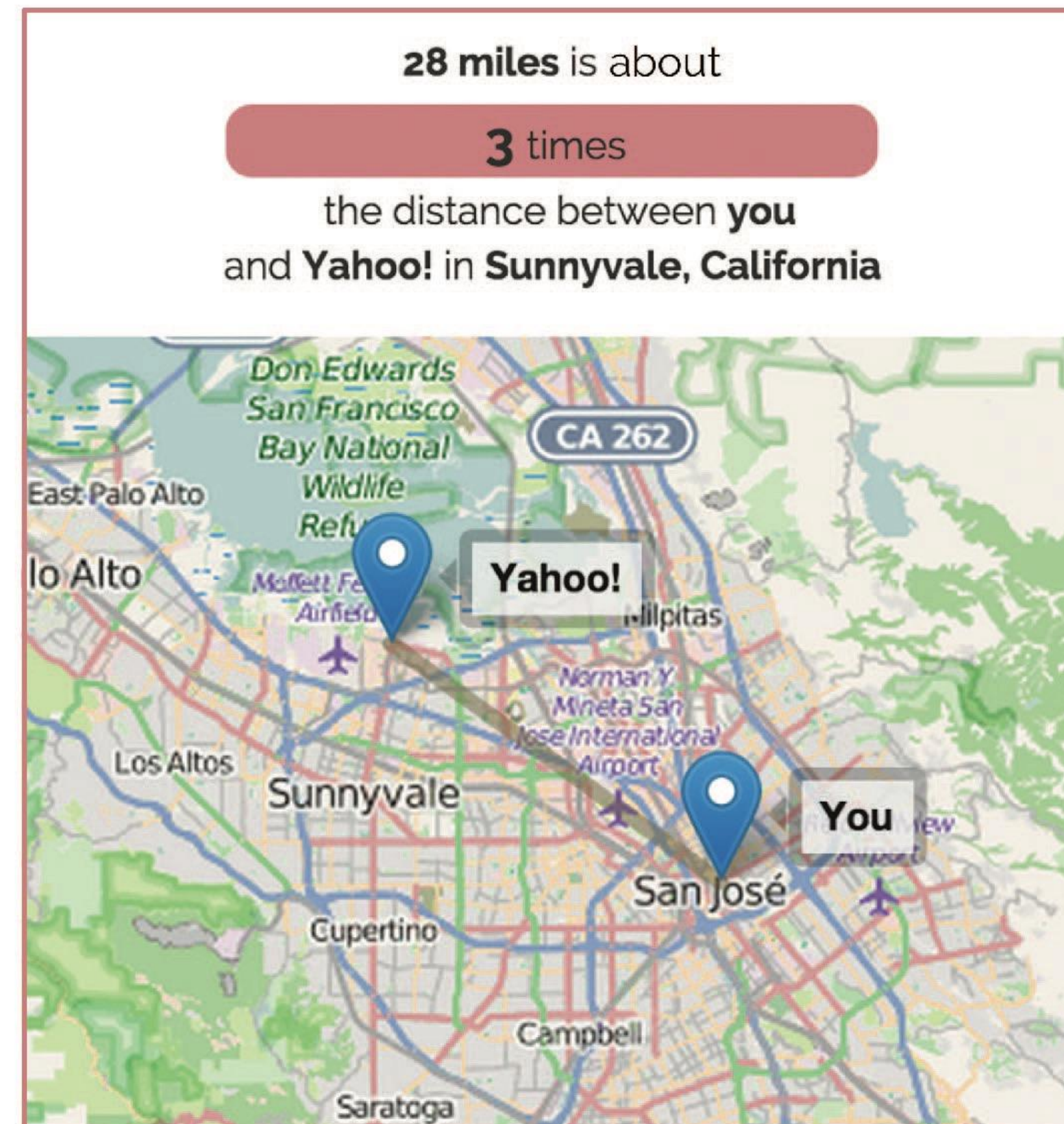
PERSONALIZED SPATIAL ANALOGIES (2016)

Some Say New Wal-Mart Intrudes on Historic Mexican Pyramids

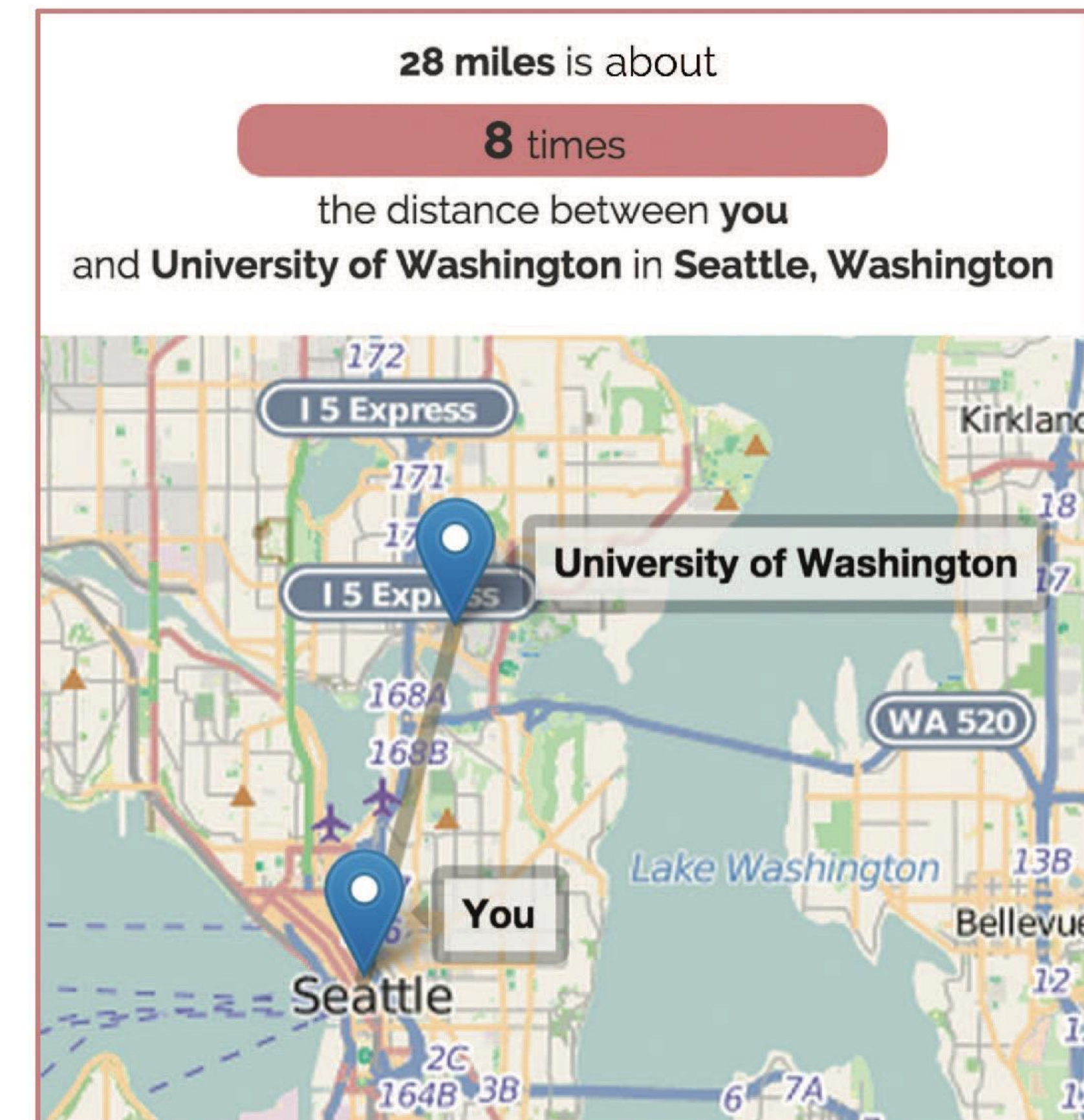
Oct 5, 2004, Mexico

The multinational retailer is building a discount supermarket **28 miles** from one of Mexico's most treasured ruins. The pre-Columbian city's mighty pyramids, dedicated to the sun and moon, tower within view of the Bodega Aurrera, a Wal-Mart subsidiary.

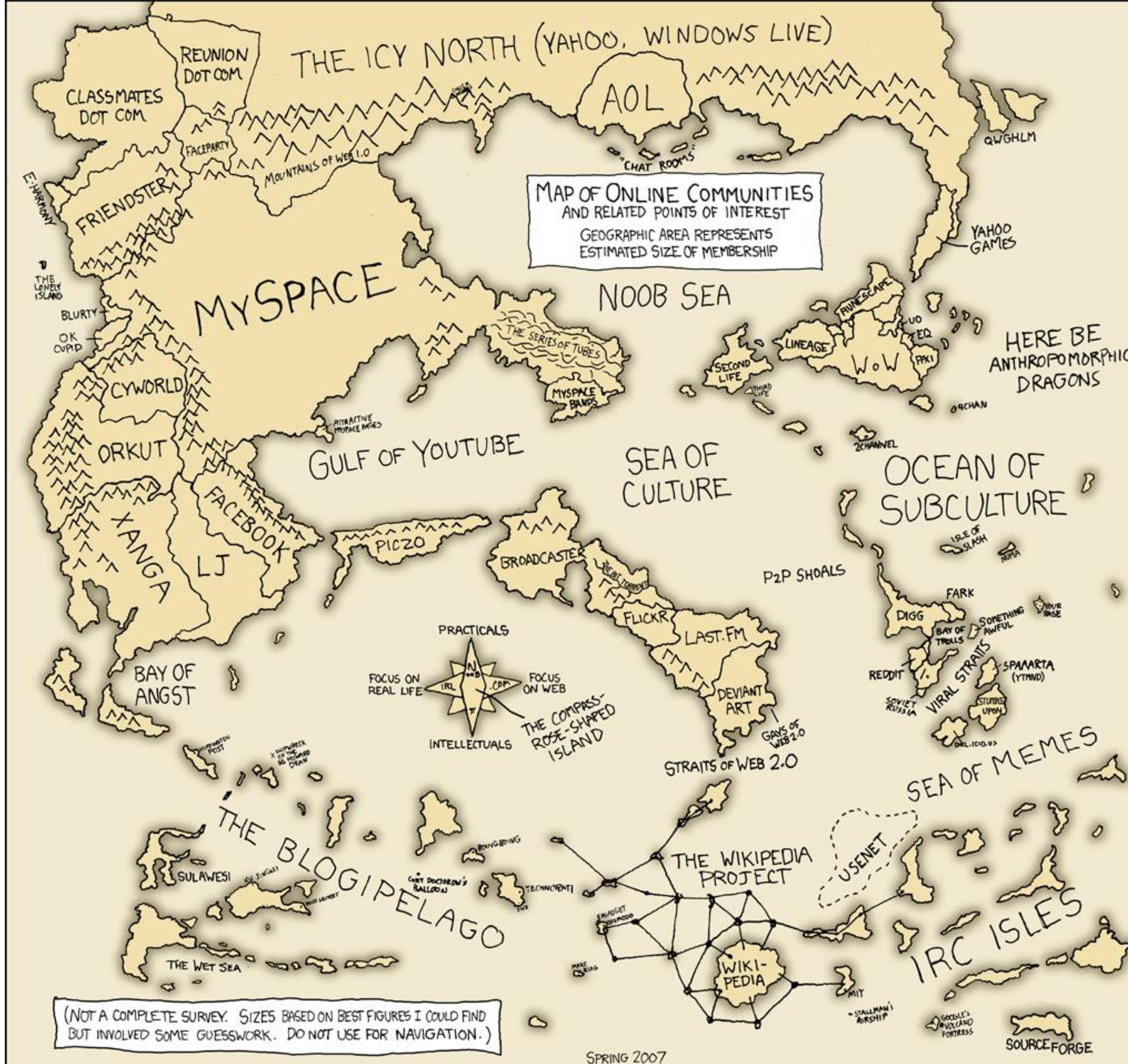
User location:



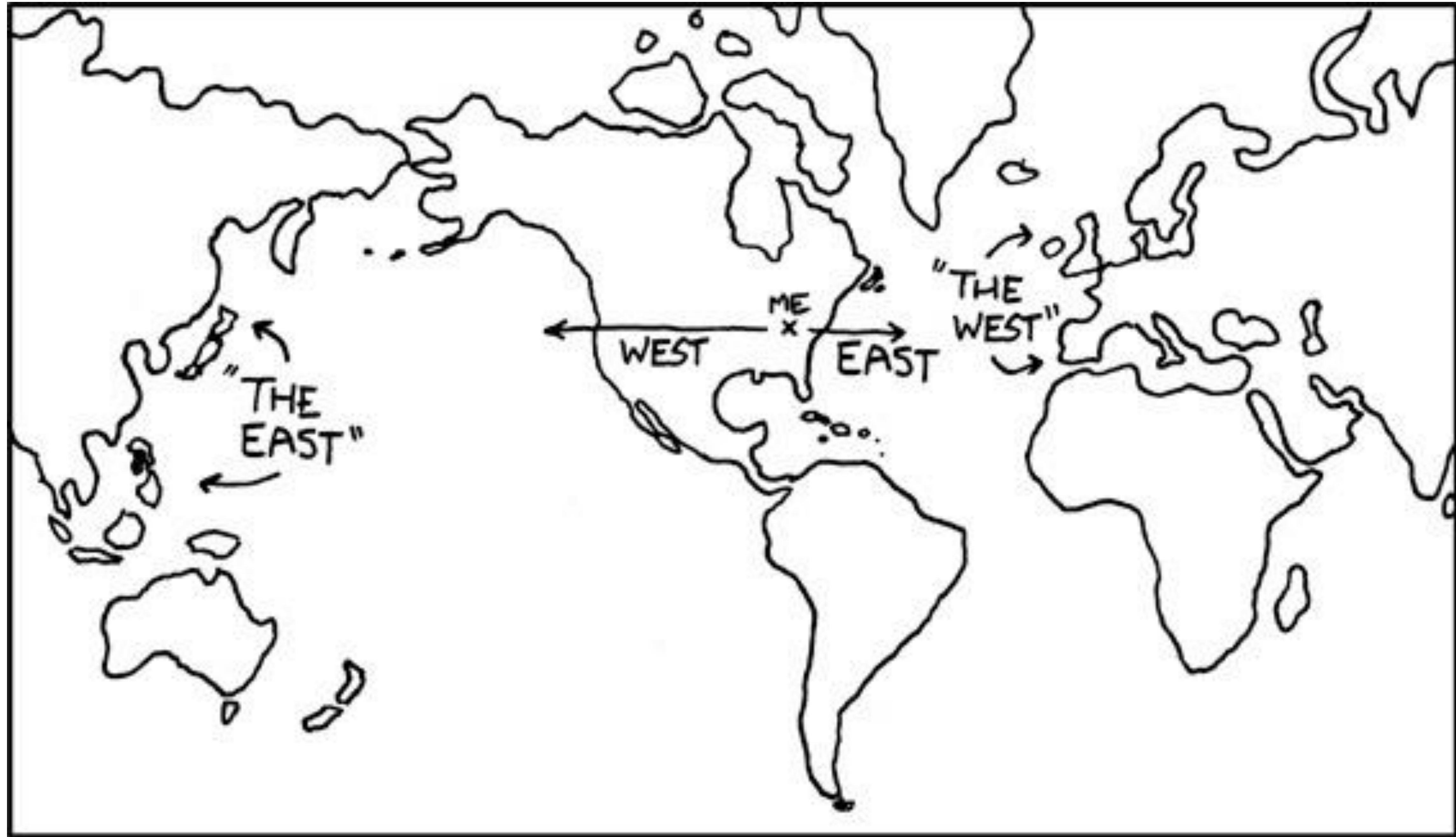
San Jose (37.338208 -121.886328)



Seattle (47.603961, -122.329887)



(NOT A COMPLETE SURVEY. SIZES BASED ON BEST FIGURES I COULD FIND BUT INVOLVED SOME GUESSWORK. DO NOT USE FOR NAVIGATION.)



THIS ALWAYS BUGGED ME.