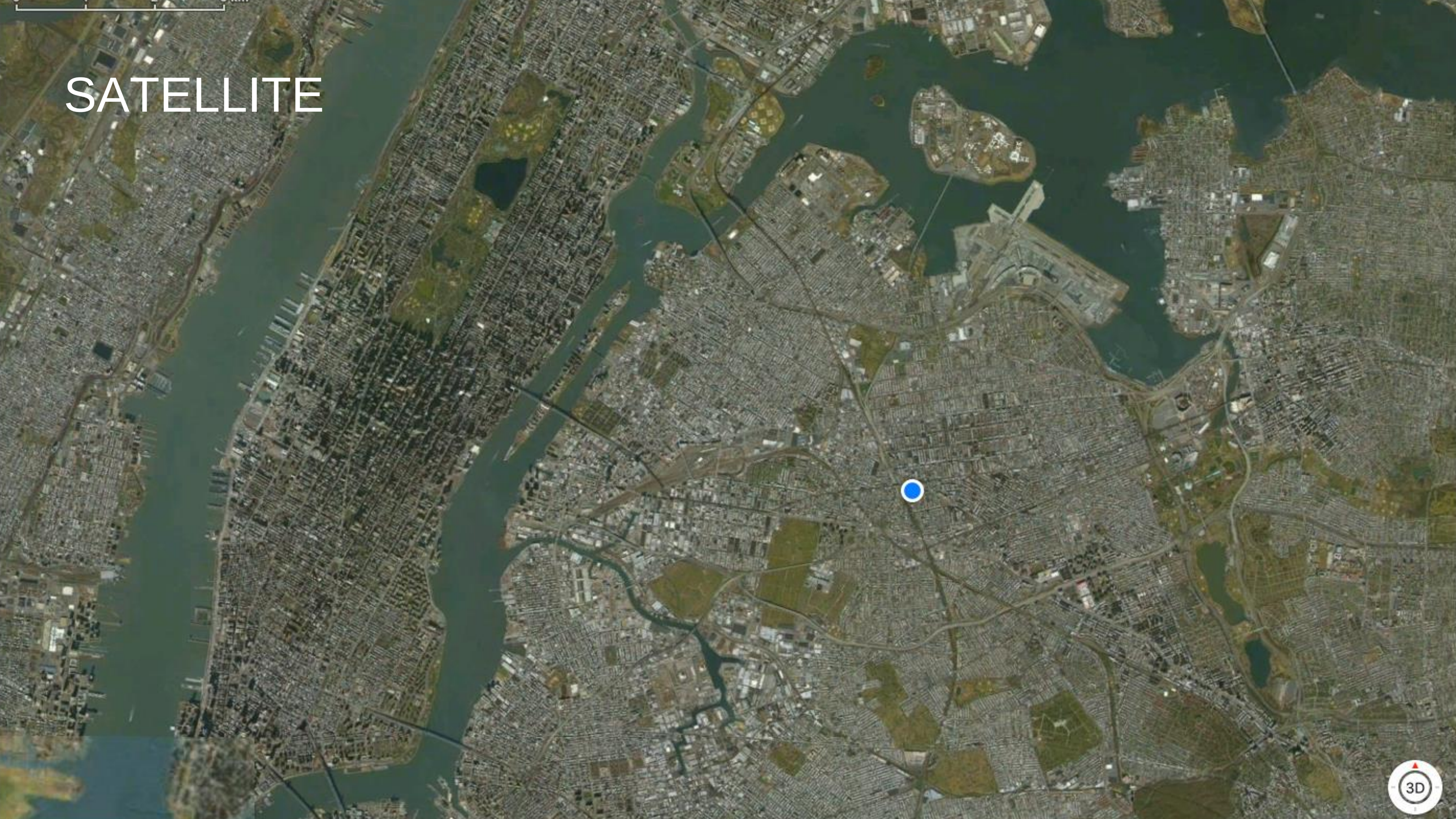
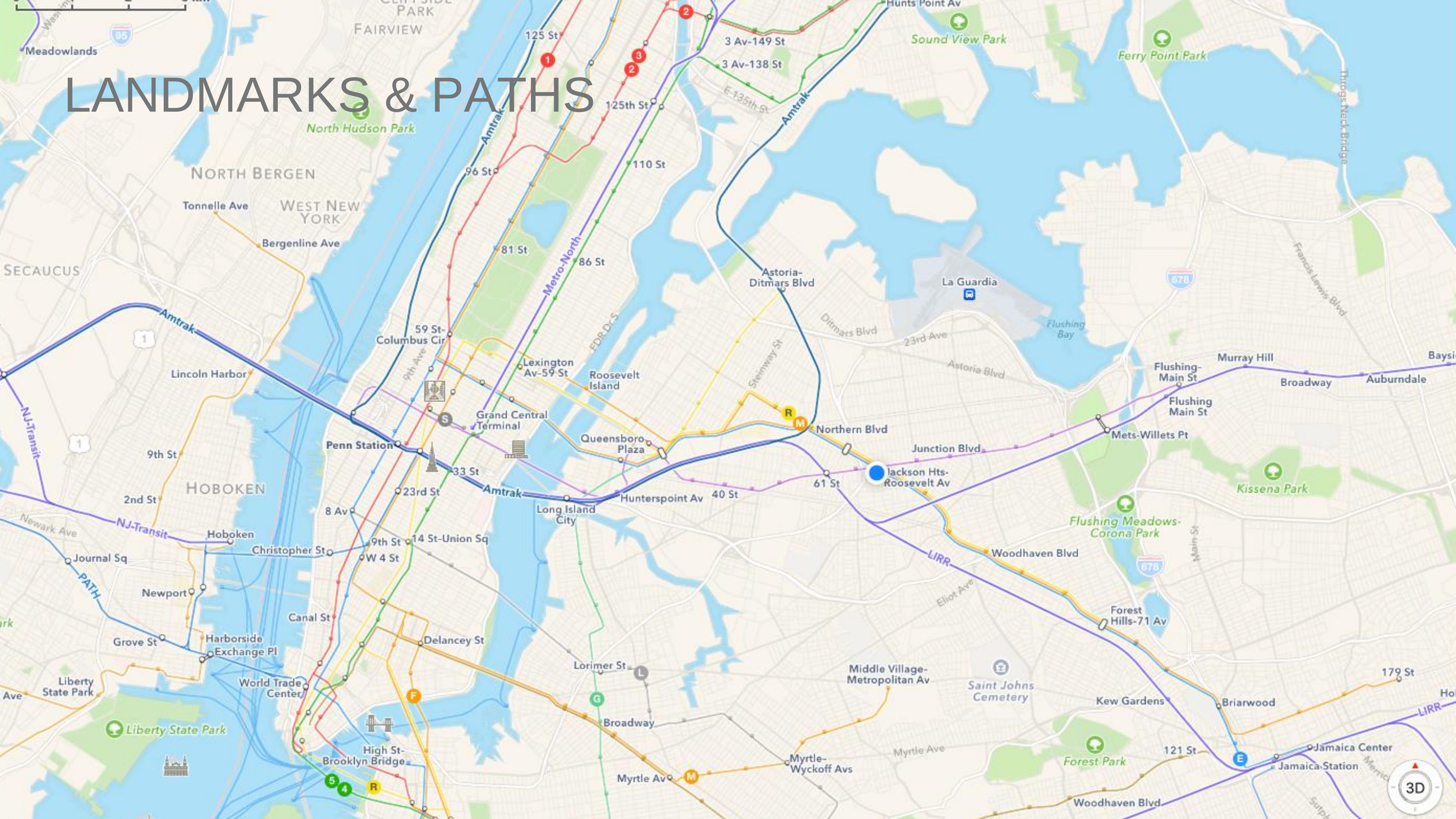
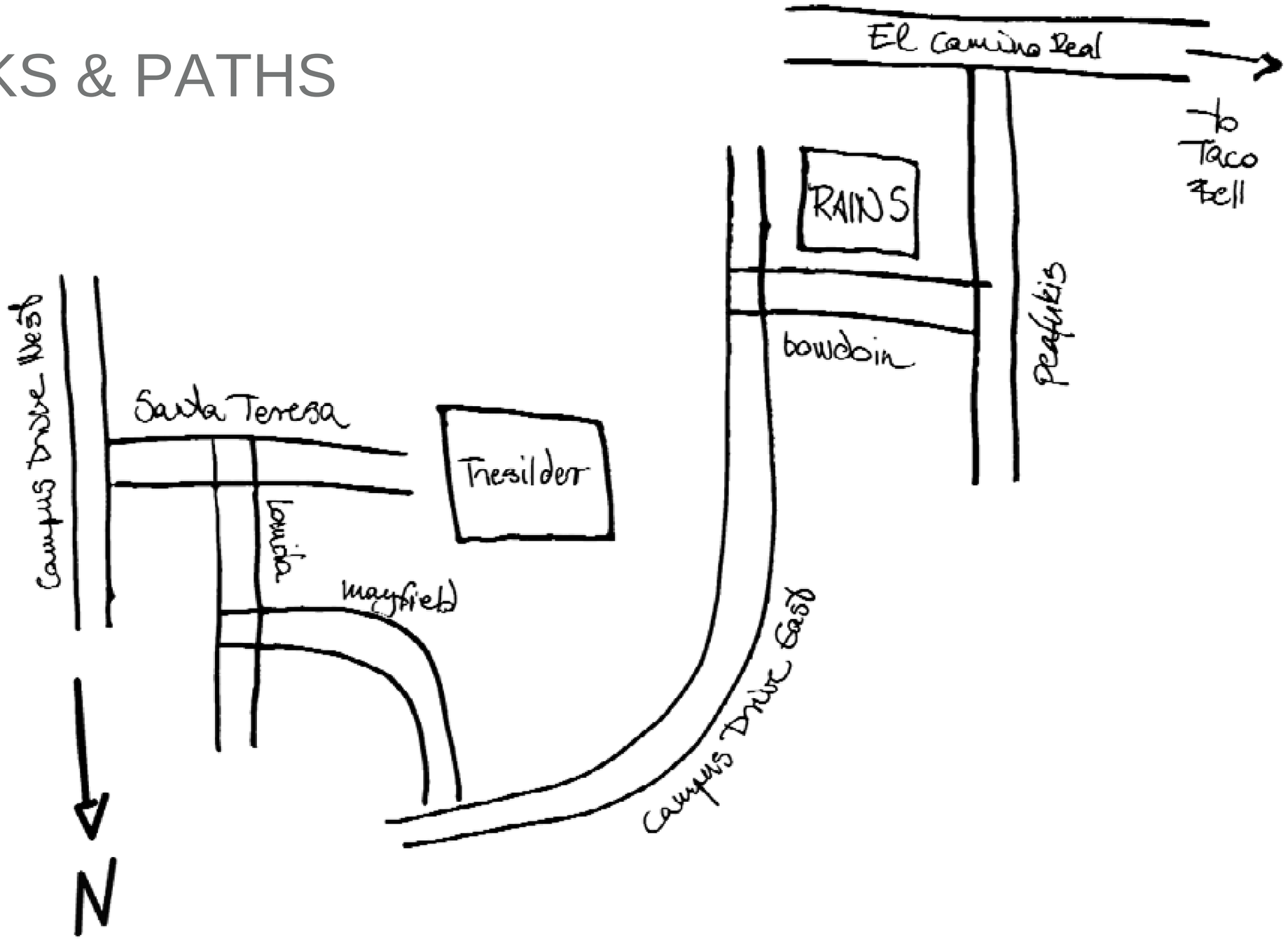
MAPS
CSE 332
Pacific Coast
The Great Lakes
The Great Plains
Inland West
The Great Northeast
The Southeast Manufacturing Belt
Gulf Coast
NORTHERN CALIFORNIA
SOUTHERN CALIFORNIA
FRONT RANGE
ARIZONA SUN CORRIDOR
TEXAS TRIANGLE
PIEDMONT ATLANTIC
Portland
Eugene
Boise
Minneapolis
Toronto
Montreal
Portland
Boston
Albany
Syracuse
New Haven
Grand Rapids
Milwaukee
Detroit
Chicago
Philadelphia
New York City
San Francisco
Reno
Salt Lake City
Sacramento
Omaha
Des Moines
Columbus
Washington
San Jose
Fresno
Denver
Kansas City
Indianapolis
Cincinnati
Richmond
Colorado Springs
St. Louis
Louisville
Las Vegas
Raleigh
Nashville
Charlotte
Albuquerque
Oklahoma
Little Rock
Greenville
Columbia
Los Angeles
Phoenix
Memphis
San Diego
Tijuana
Birmingham
Atlanta
Tucson
Dallas
Jackson
Ft. Worth
Mobile
Tallahassee
Jacksonville
Austin
San Antonio
New Orleans
Orlando
Houston
Tampa
Corpus Christi
FLORIDA
Miami
MEXICO
Proposed High Speed Rail
Current Railways
Urban Corridors


SATELLITE
3D

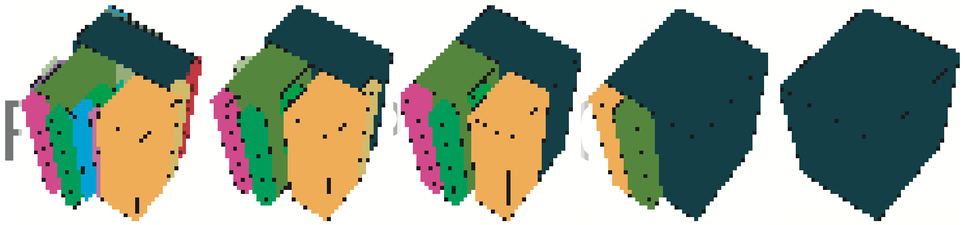

LANDMARKS & PATHS
Meadowlands
FAIRVIEW
North Hudson Park
NORTH BERGEN
Tonnelle Ave
WEST NEW YORK
Bergenline Ave
SECAUCUS
Lincoln Harbor
9th St
HOBOKEN
2nd St
Newark Ave
Hoboken
Journal Sq
Christopher St
Newport
Grove St
Harborside
Exchange Pl
Liberty State Park
Liberty State Park
Canal St
World Trade Center
High St-
Brooklyn Bridge
Penn Station
9th St
14 St-Union Sq
W 4 St
8 Av
23rd St
33 St
Grand Central Terminal
59 St-
Columbus Cir
Lexington Av-59 St
Roosevelt Island
Queensboro Plaza
Hunterspoint Av
40 St
Long Island City
Delancey St
Lorimer St
Broadway
Myrtle Av
Myrtle-
Wyckoff Avs
Middle Village-
Metropolitan Av
Saint Johns Cemetery
Forest Park
Myrtle Ave
Woodhaven Blvd
Kew Gardens
Briarwood
121 St
Jamaica Center
Jamaica-Station
179 St
Forest
Hills-71 Av
Eliot Ave
Woodhaven Blvd
Flushing Meadows-
Corona Park
Kissena Park
Junction Blvd
Jackson Hts-
Roosevelt Av
61 St
Northern Blvd
Mets-Willets Pt
Flushing-
Main St
Flushing
Main St
Murray Hill
Broadway
Auburndale
Astoria-
Ditmars Blvd
La Guardia
Ditmars Blvd
23rd Ave
Astoria Blvd
Flushing
Bay
Steinway St
FDR Dr S
Metro-North
Amtrak
NJ Transit
PATH
LIRR
125 St
125th St
110 St
96 St
86 St
81 St
3 Av-149 St
3 Av-138 St
E 135th St
Hunts Point Av
Sound View Park
Ferry Point Park
Throgs Neck Bridge
Francis Lewis Blvd
Main St
3D

LANDMARKS & PATHS



LINEDRIVE (2001)

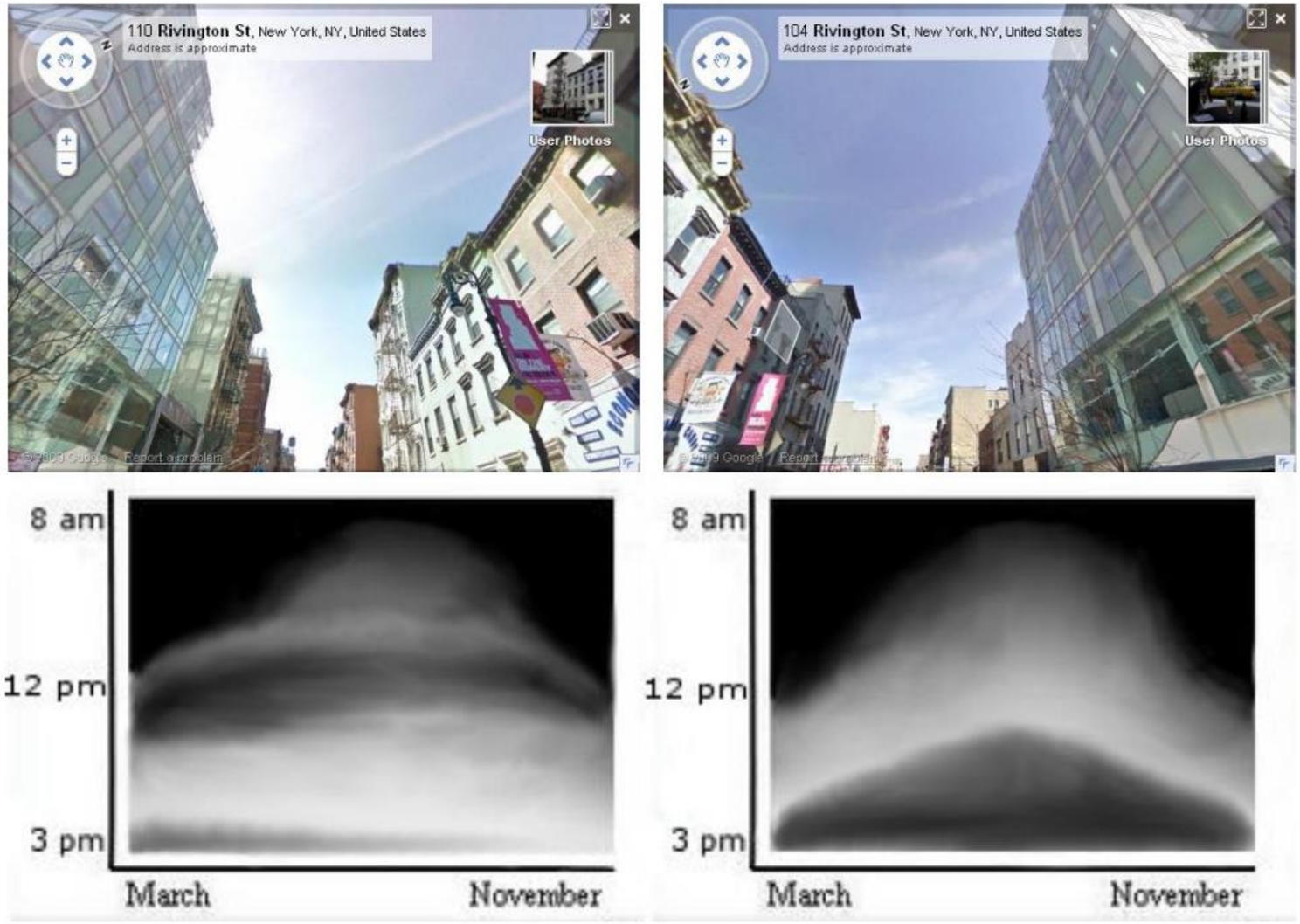
AUTOMATIC GENERATION OF TOUR



STREET VIEW

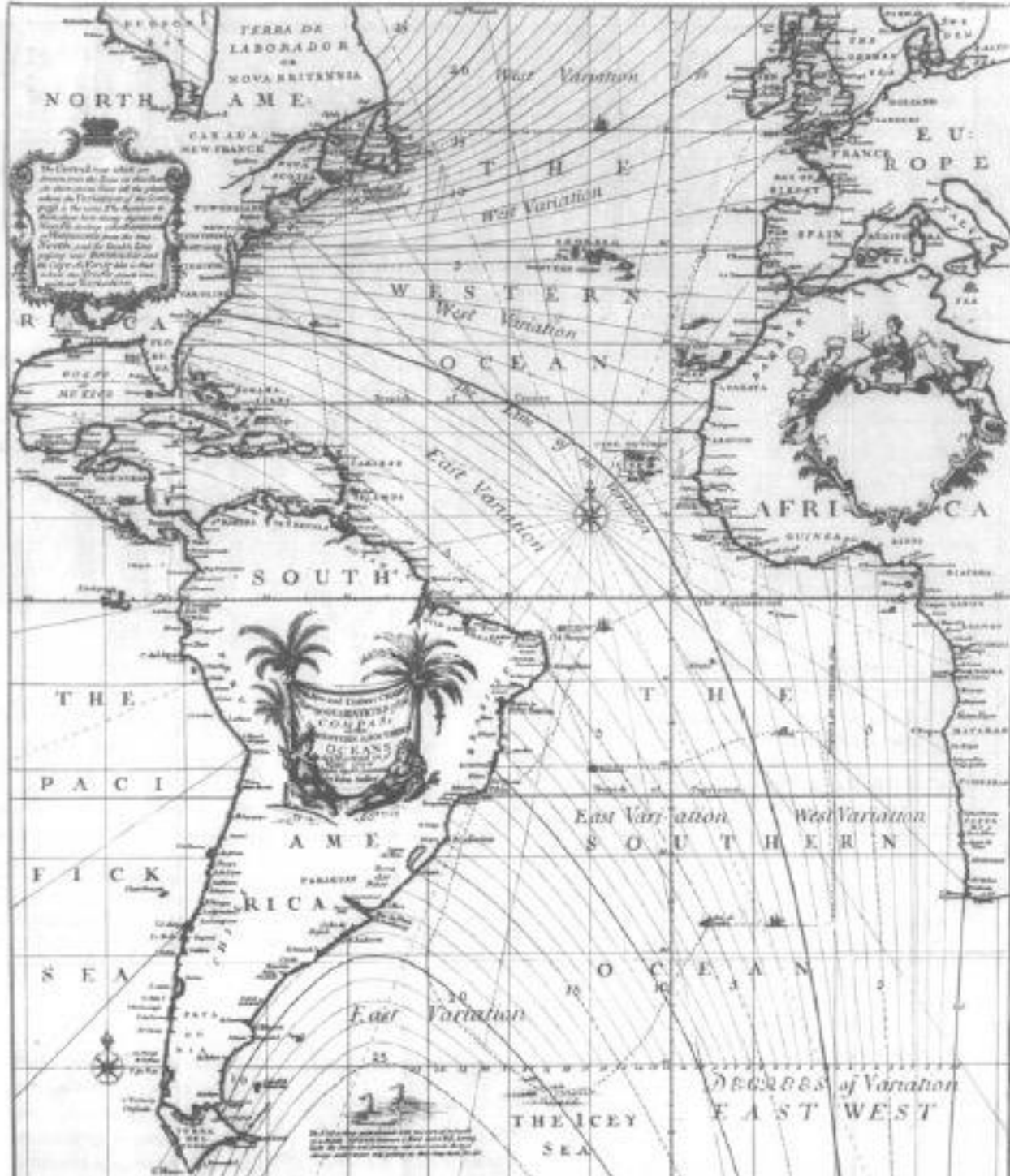
STREETSIDE VIEW (2010)

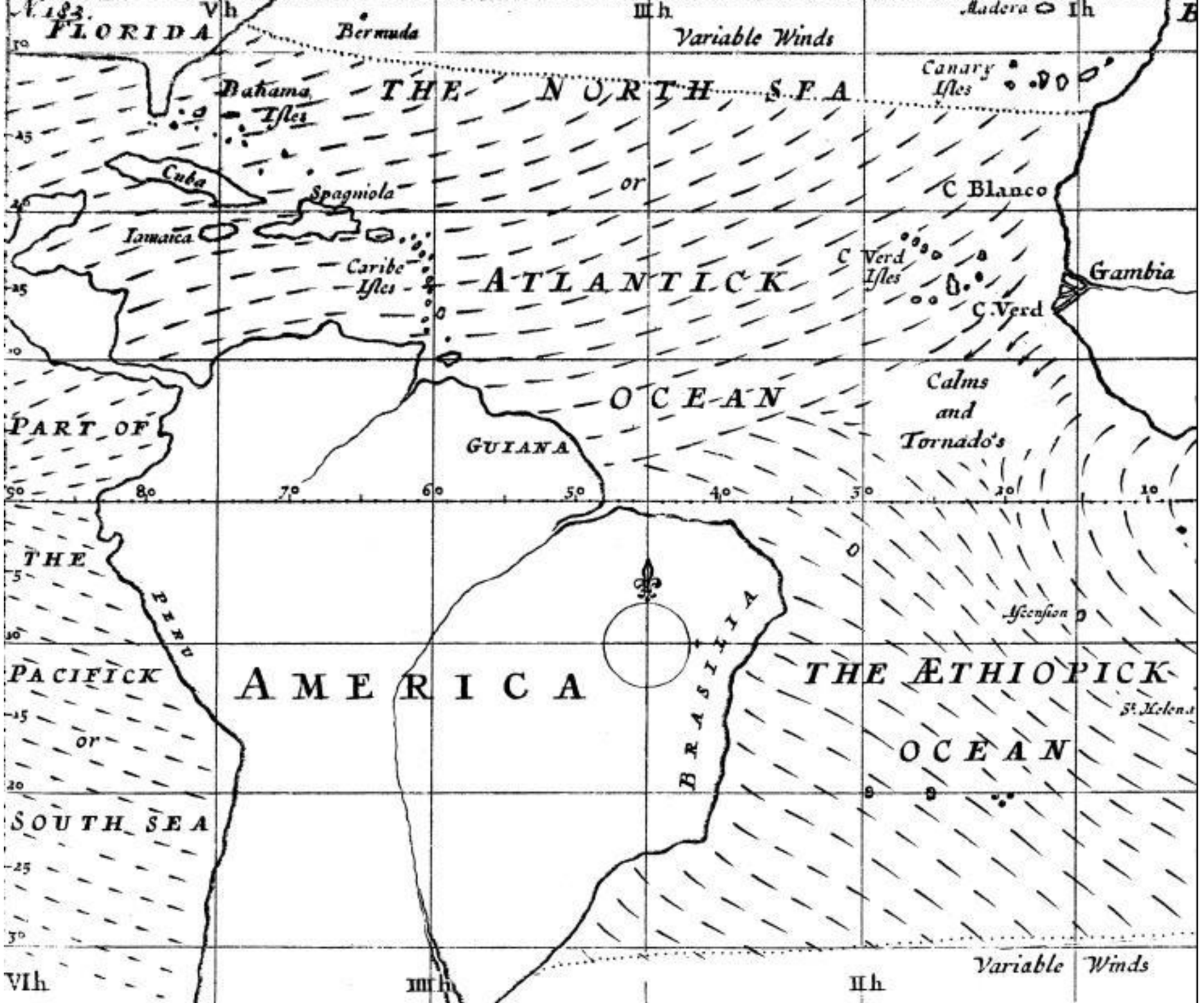
STREET LIGHT VIEW (2010)



ISOPLETH MAPS

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

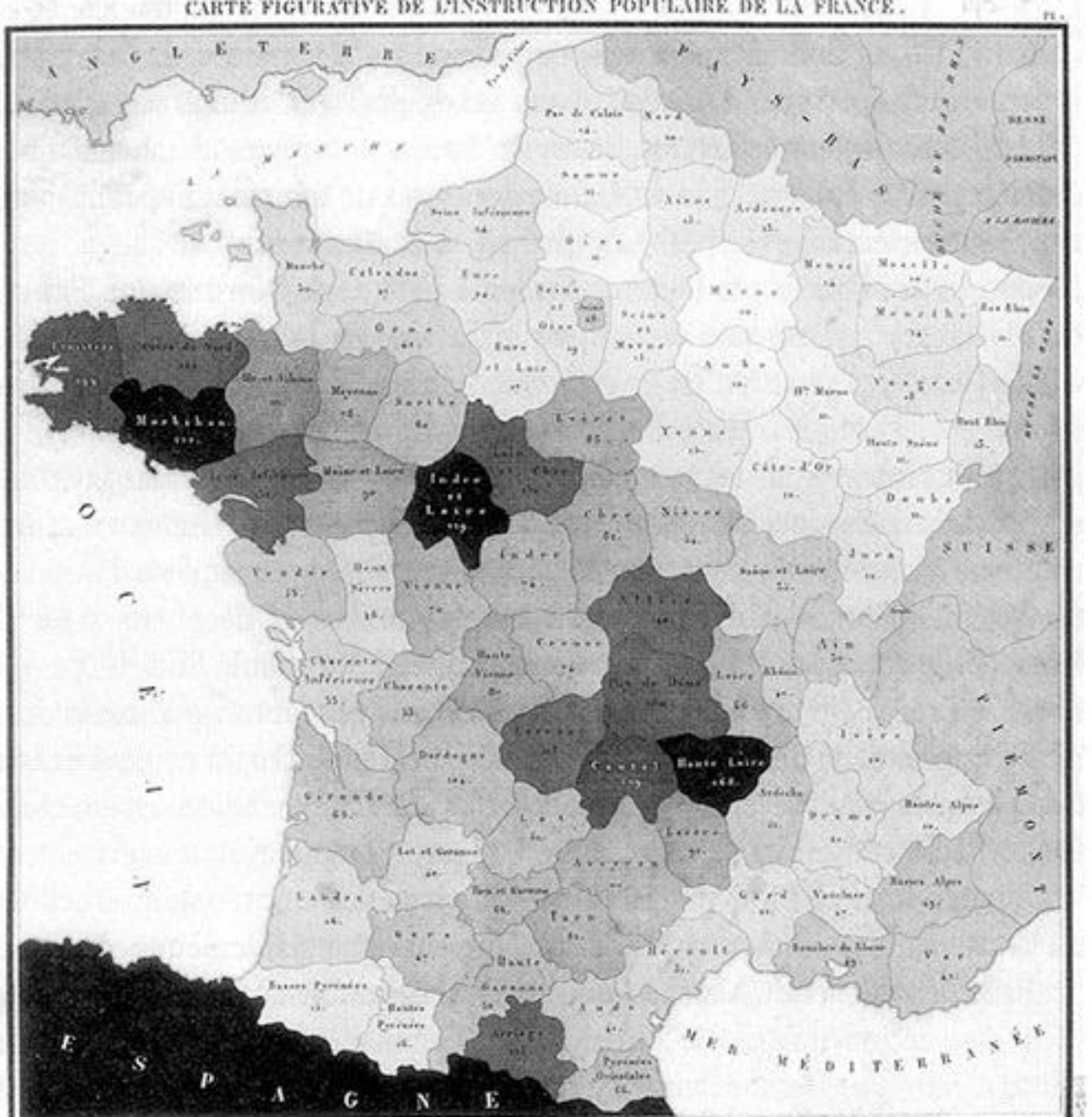



FLORIDA
Bermuda
Variable Winds
Madera
Canary Isles
Bahama Isles
THE NORTH SEA
Cuba
Spagniola
or
C Blanco
Jamaica
Caribe Isles
ATLANTICK
C Verd Isles
Gambia
C Verd
OCEAN
Calms and Tornado's
PART OF
GUIANA
THE
PERU
BRASILIA
Ascension
PACIFICK
AMERICA
THE ÆTHIOPICK
St Helena
or
OCEAN
SOUTH SEA
Variable Winds
VIh
IIIh
IIh

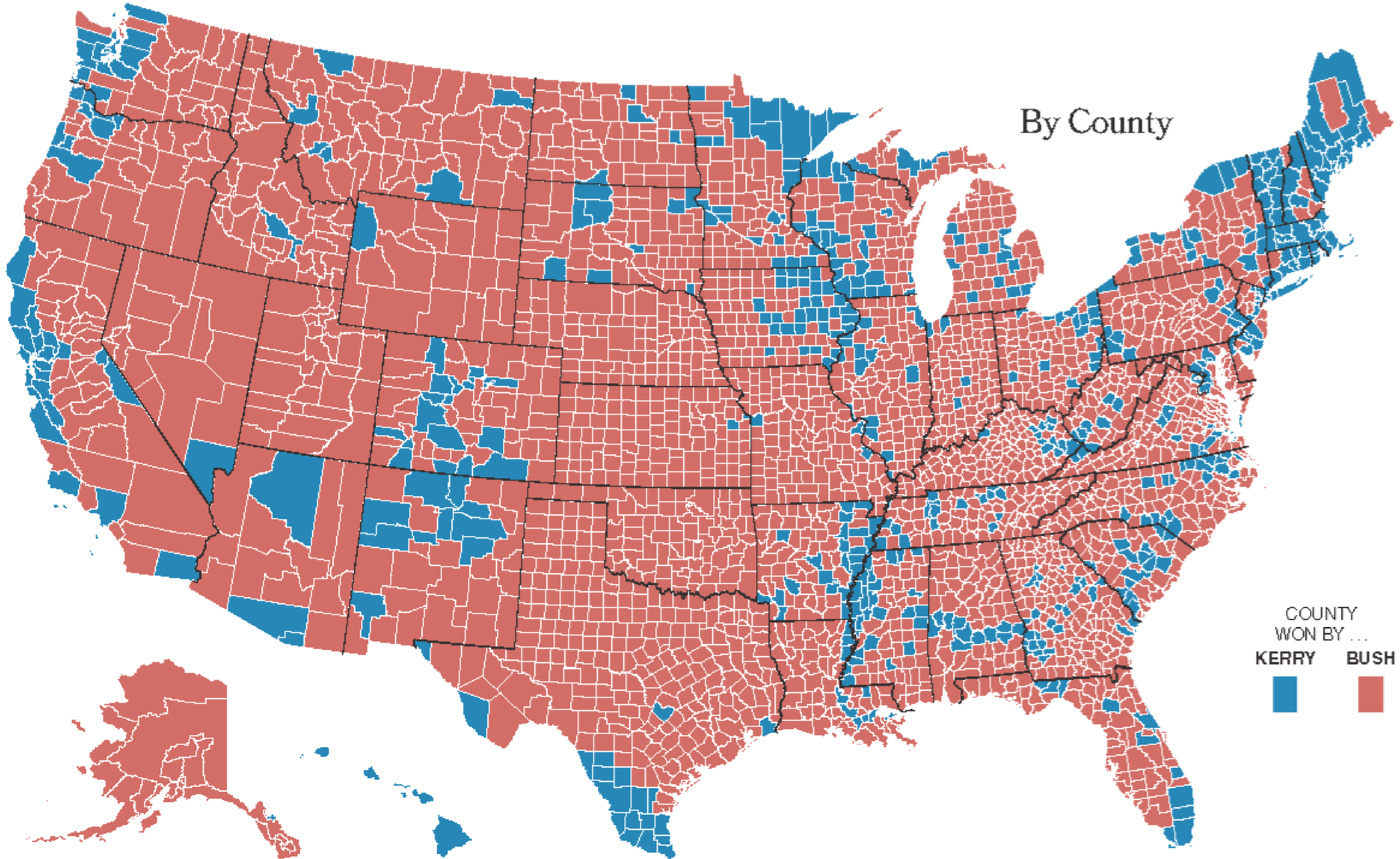
Reservoirs
108
BM 723
Stowe
Cady
Hill
1122
100
BM 670
Lower Village
Taber
Hill

CHOROPLETH MAPS

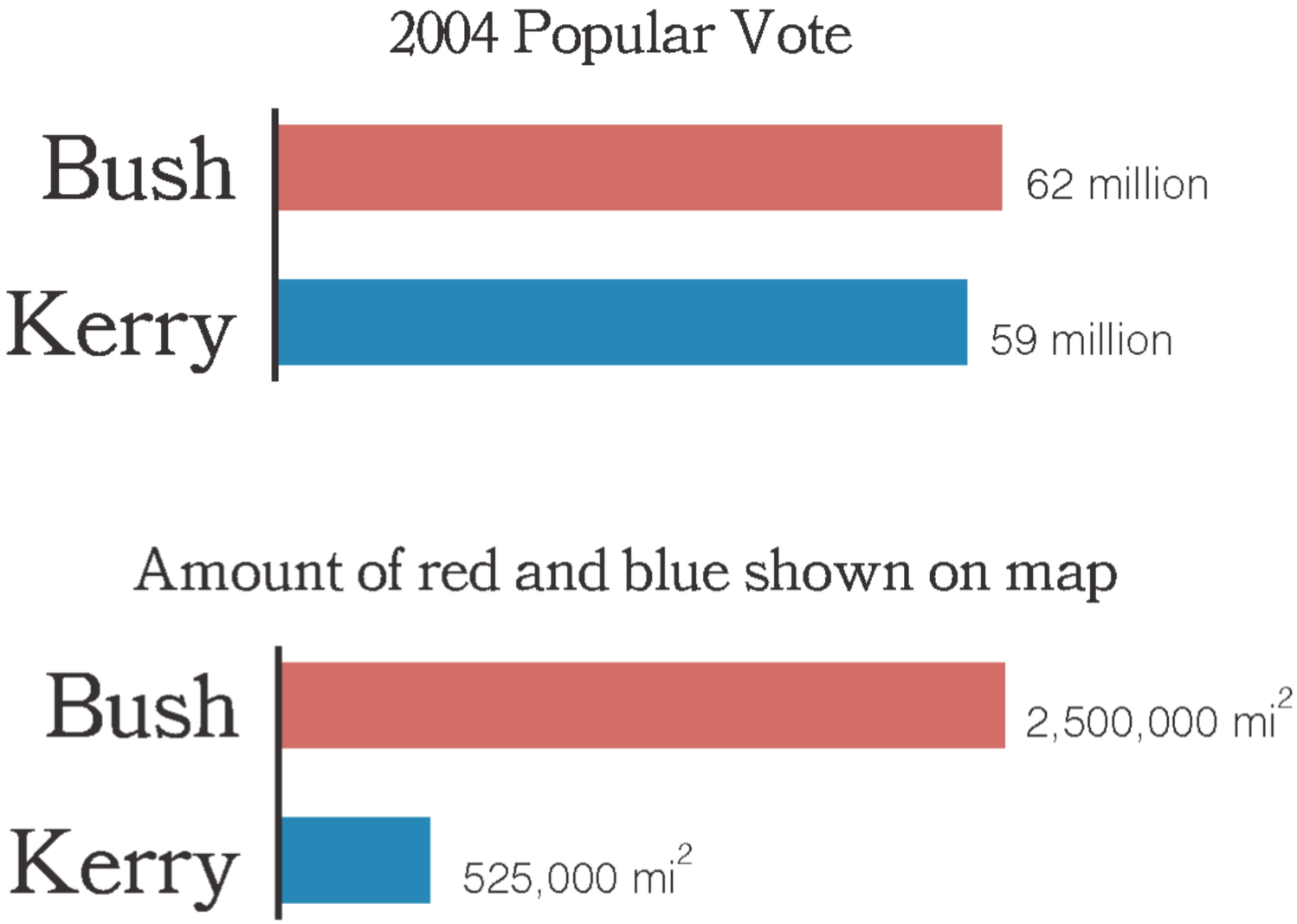
- Use colors/shadings to show data
- First in 1826
  - Illiteracy in France
- Perception problems?



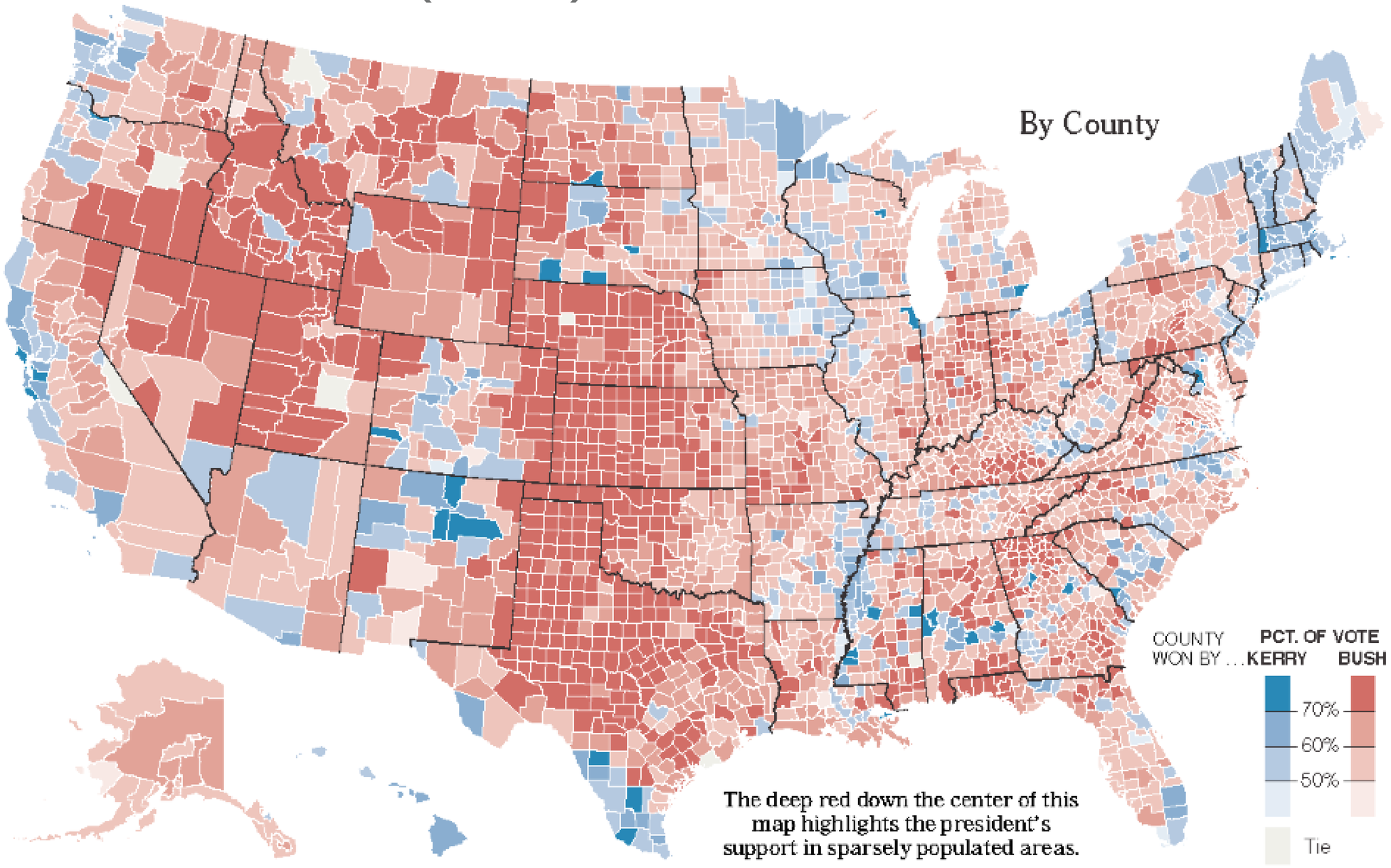
KERRY VS. BUSH (2004)



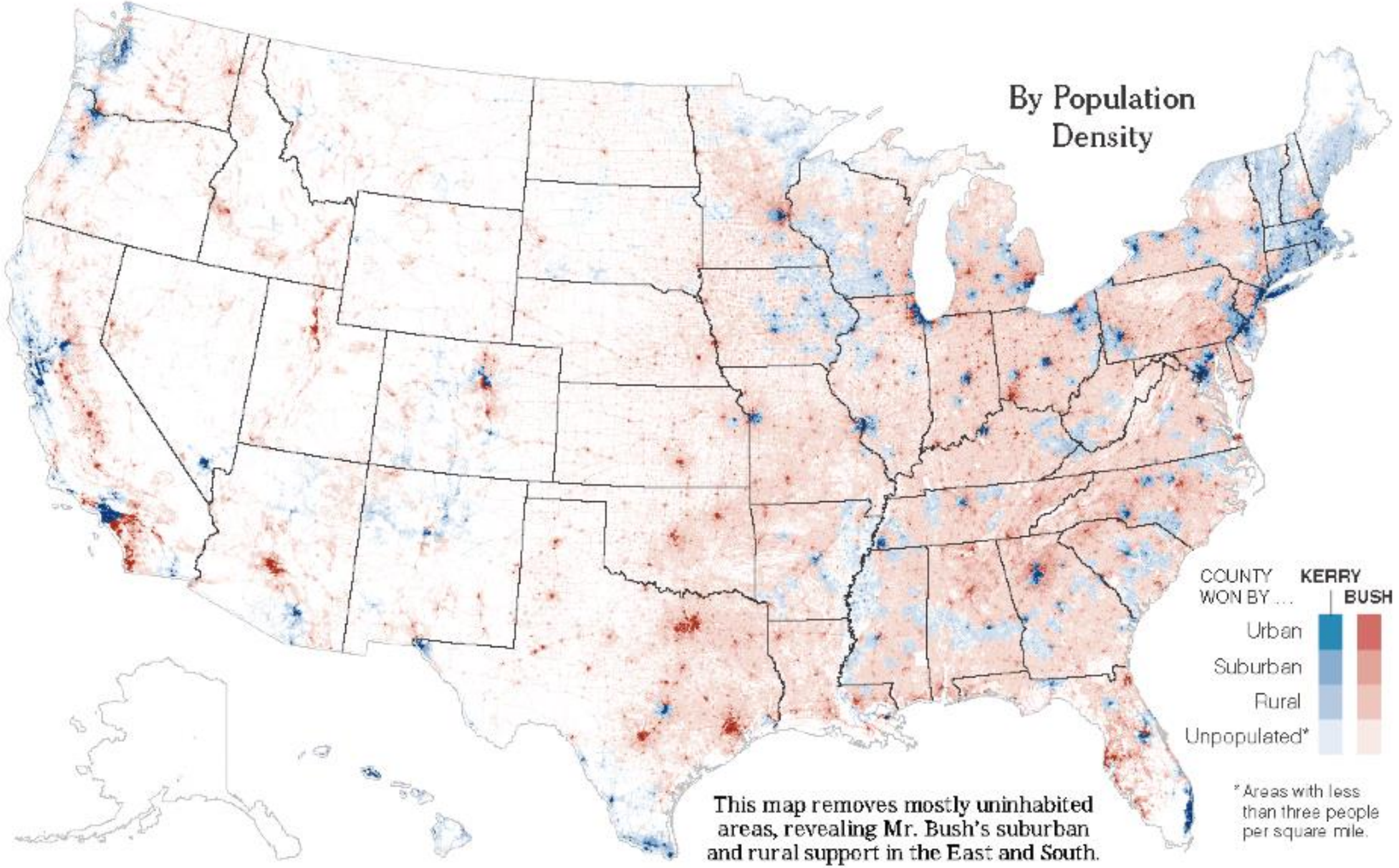
KERRY VS. BUSH (2004)



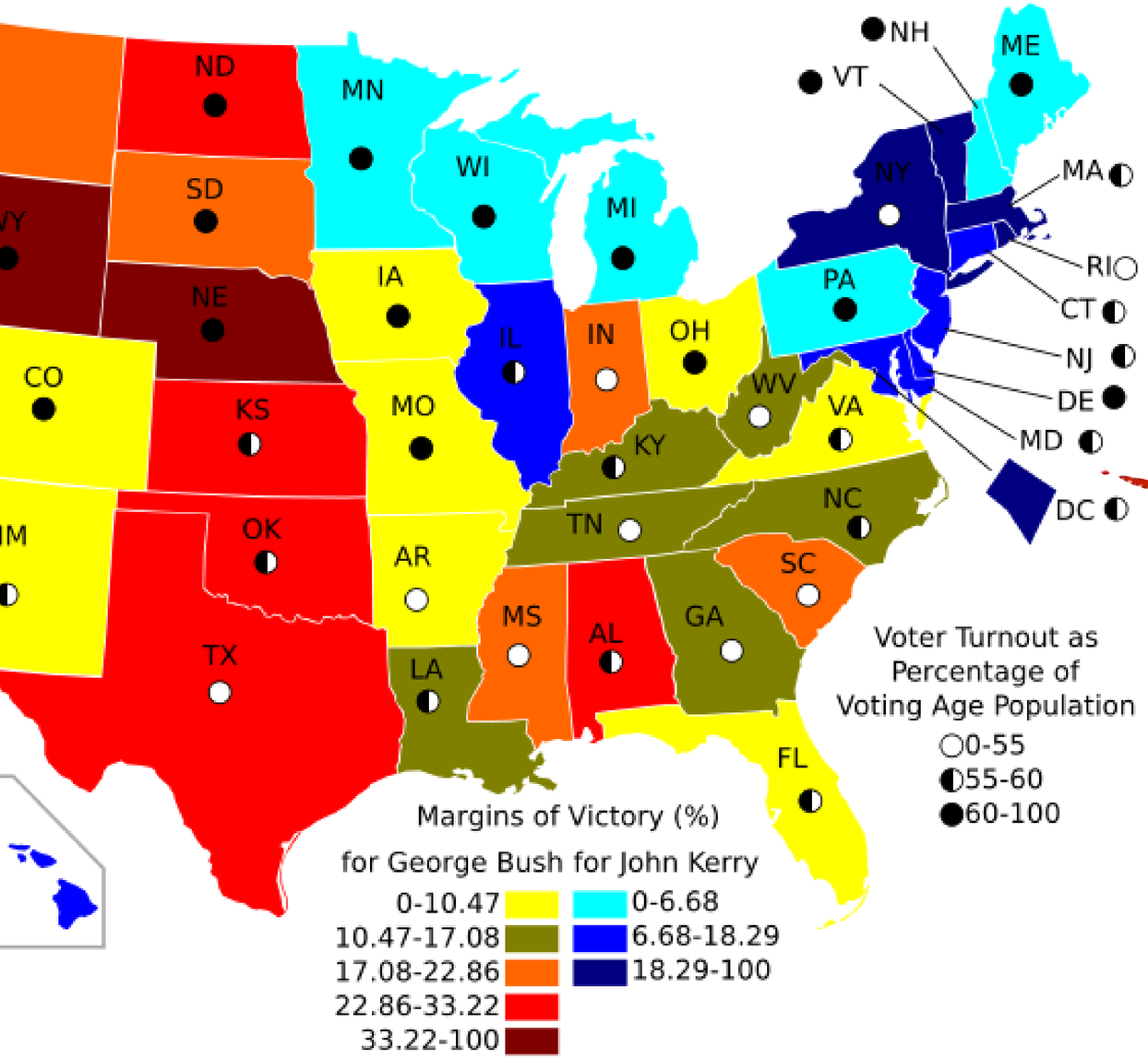
KERRY VS. BUSH (2004)

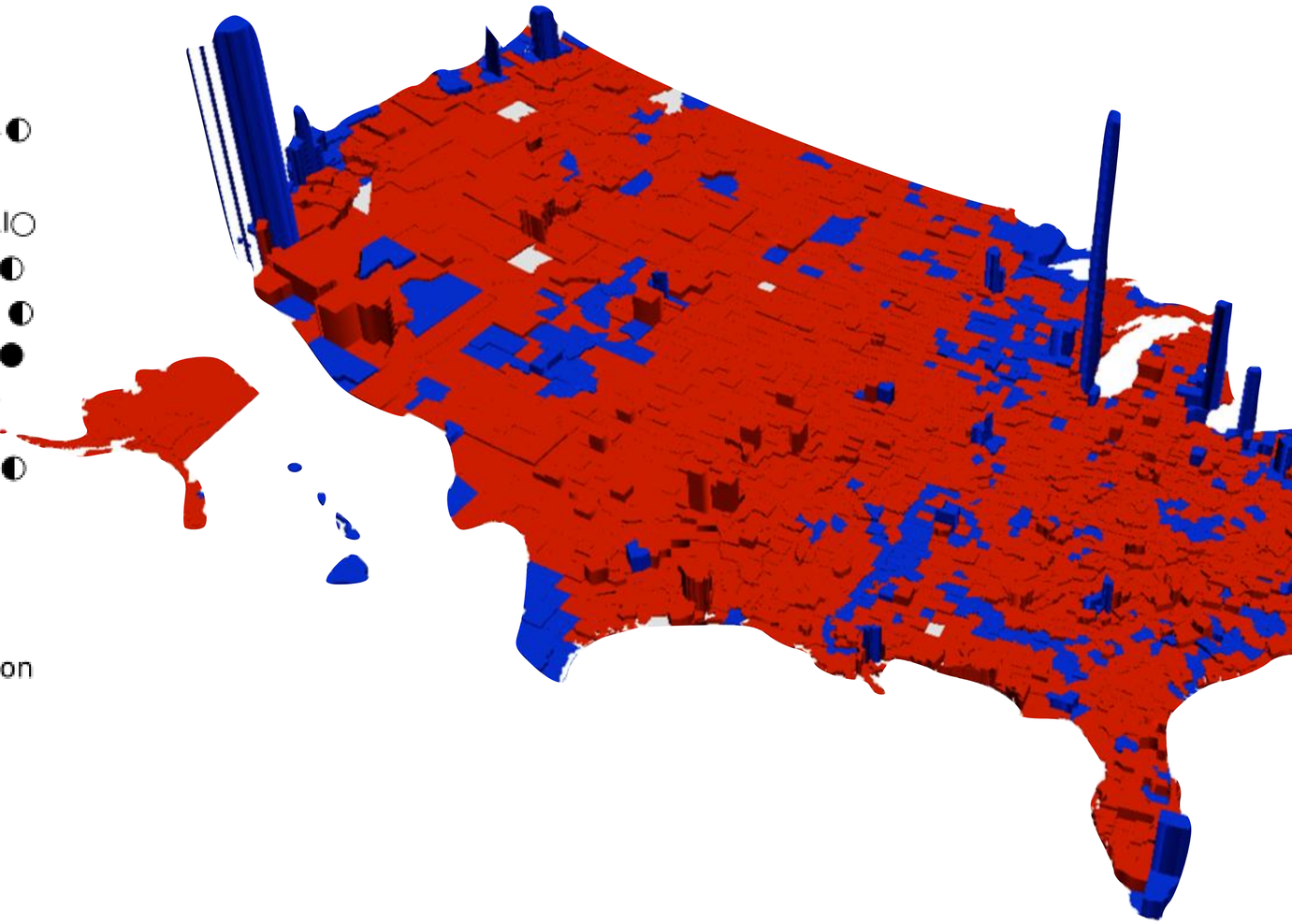


KERRY VS. BUSH (2004)

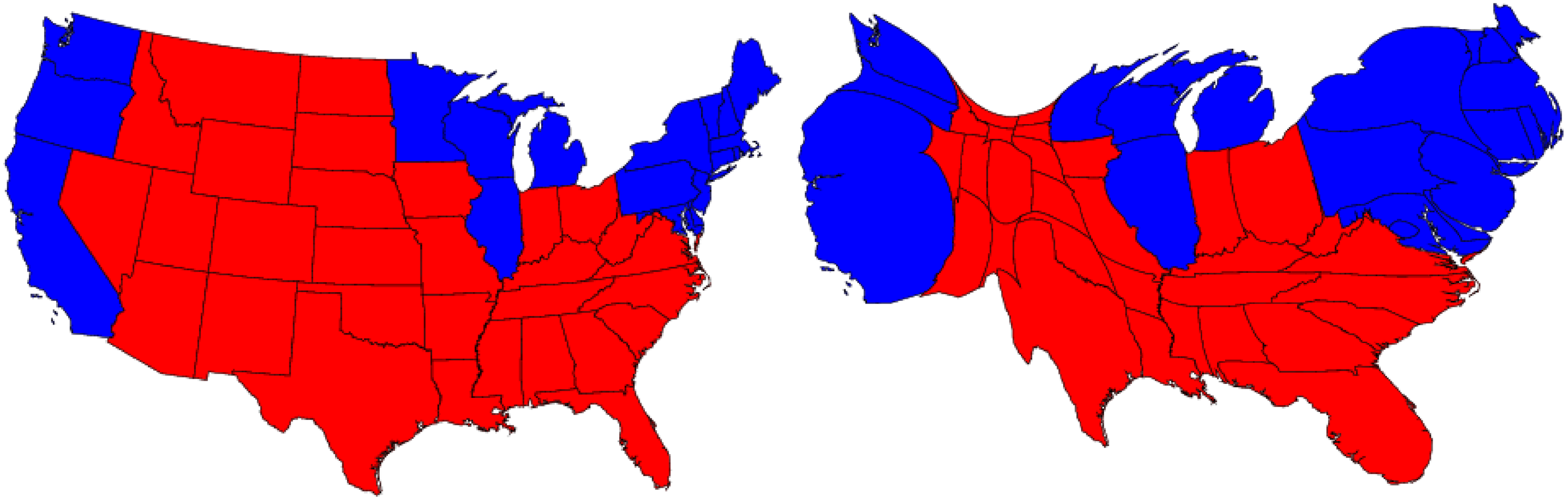


KERRY VS. BUSH (2004)

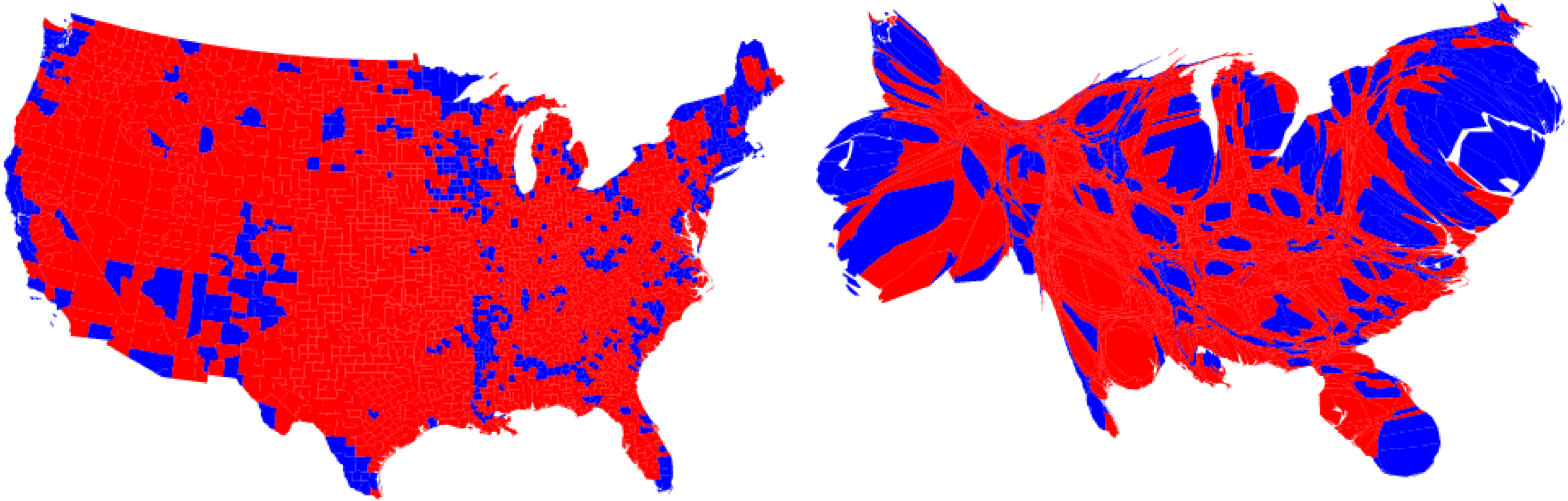




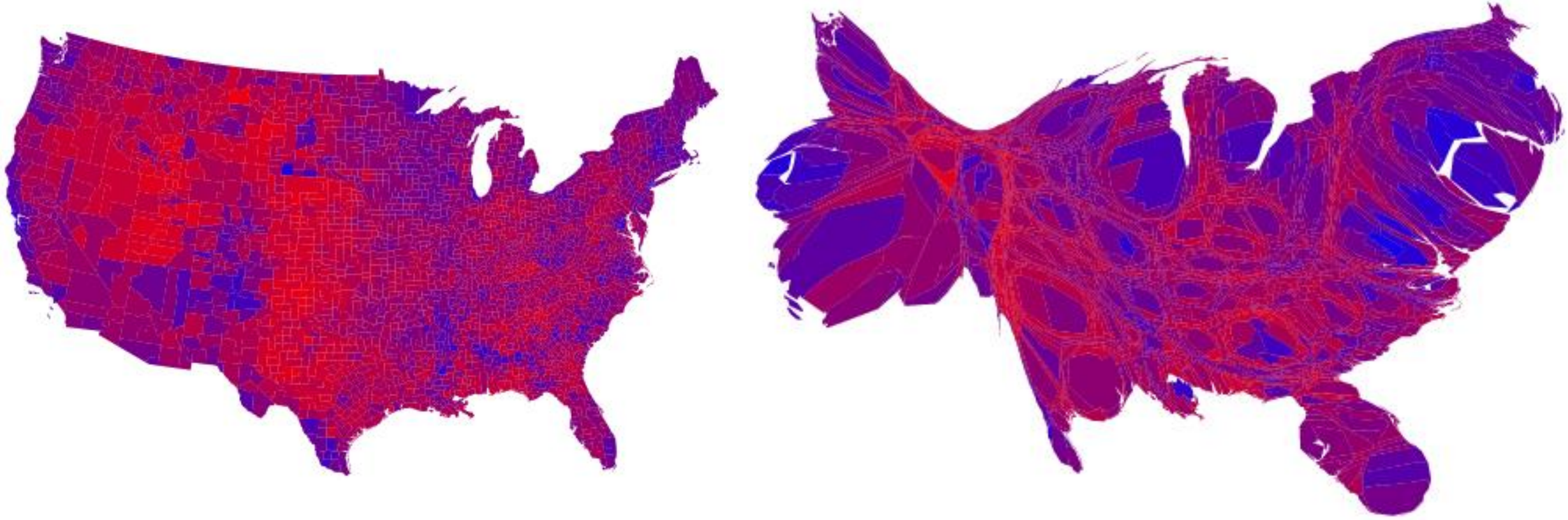
KERRY VS. BUSH (2004)



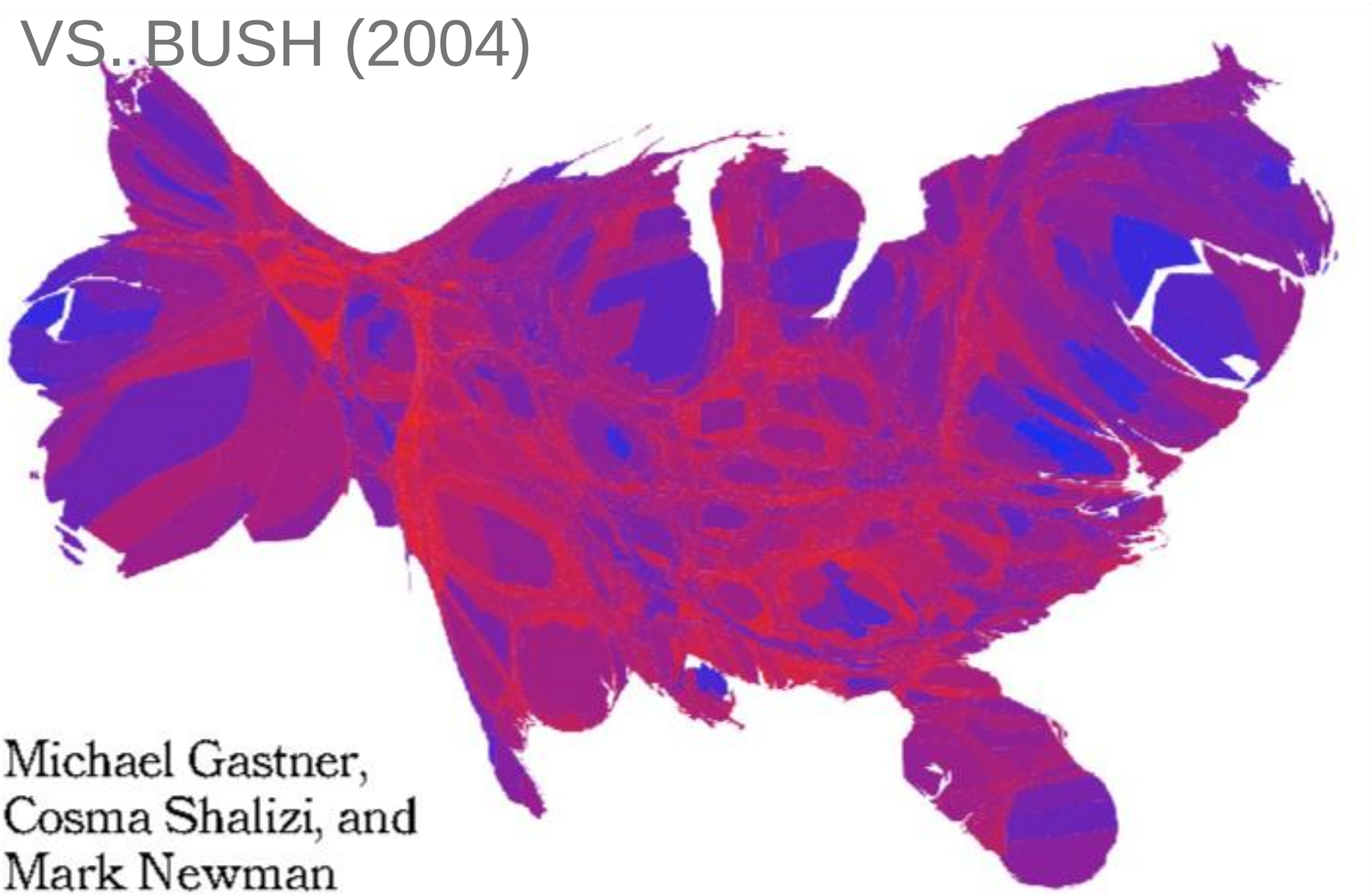
KERRY VS. BUSH (2004)



KERRY VS. BUSH (2004)



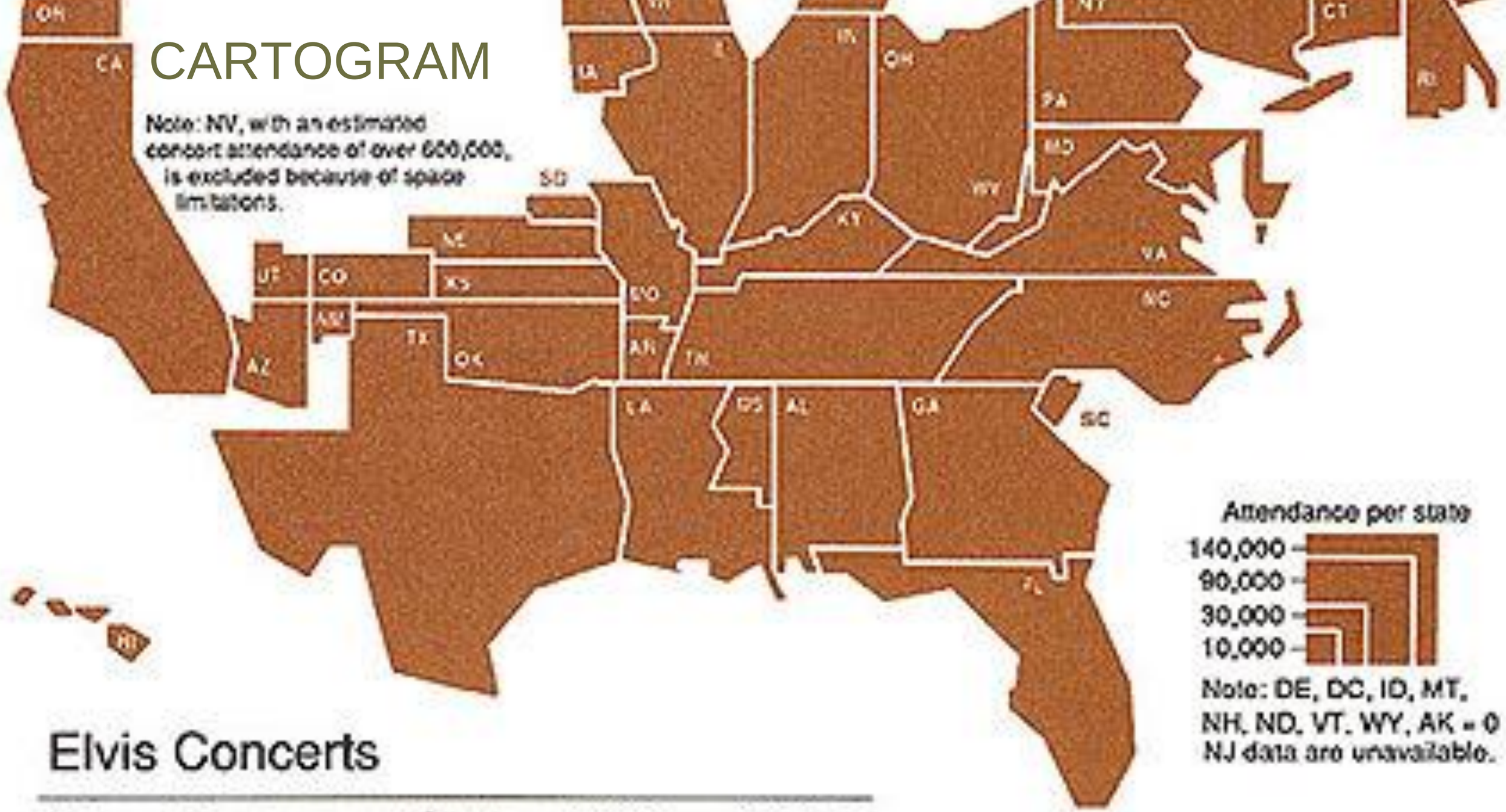
KERRY VS. BUSH (2004)



Michael Gastner,
Cosma Shalizi, and
Mark Newman

University of Michigan

CARTOGRAM



Elvis Concerts

Attendance per State, 1970 - 1977

cylindrical

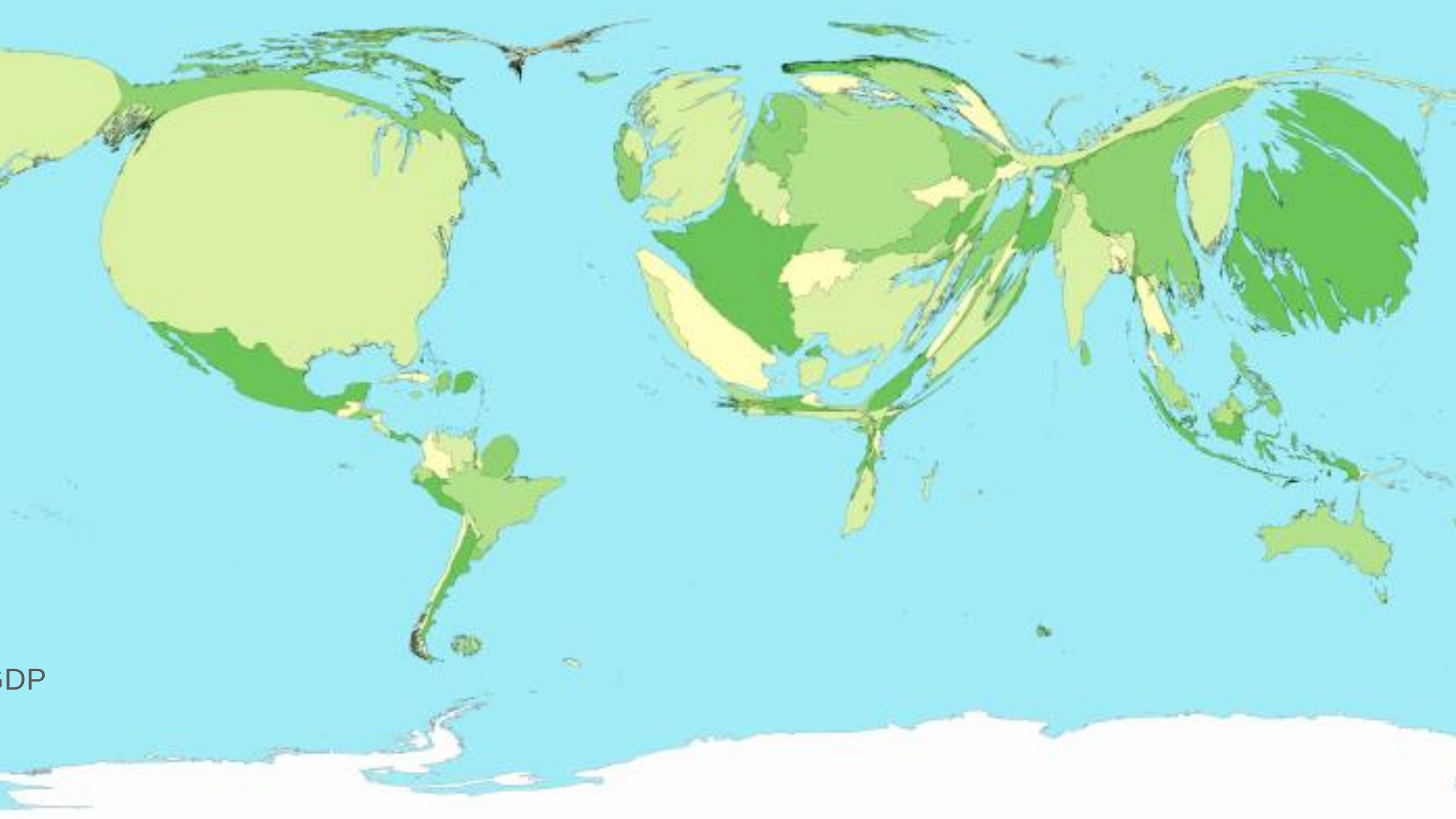
conical

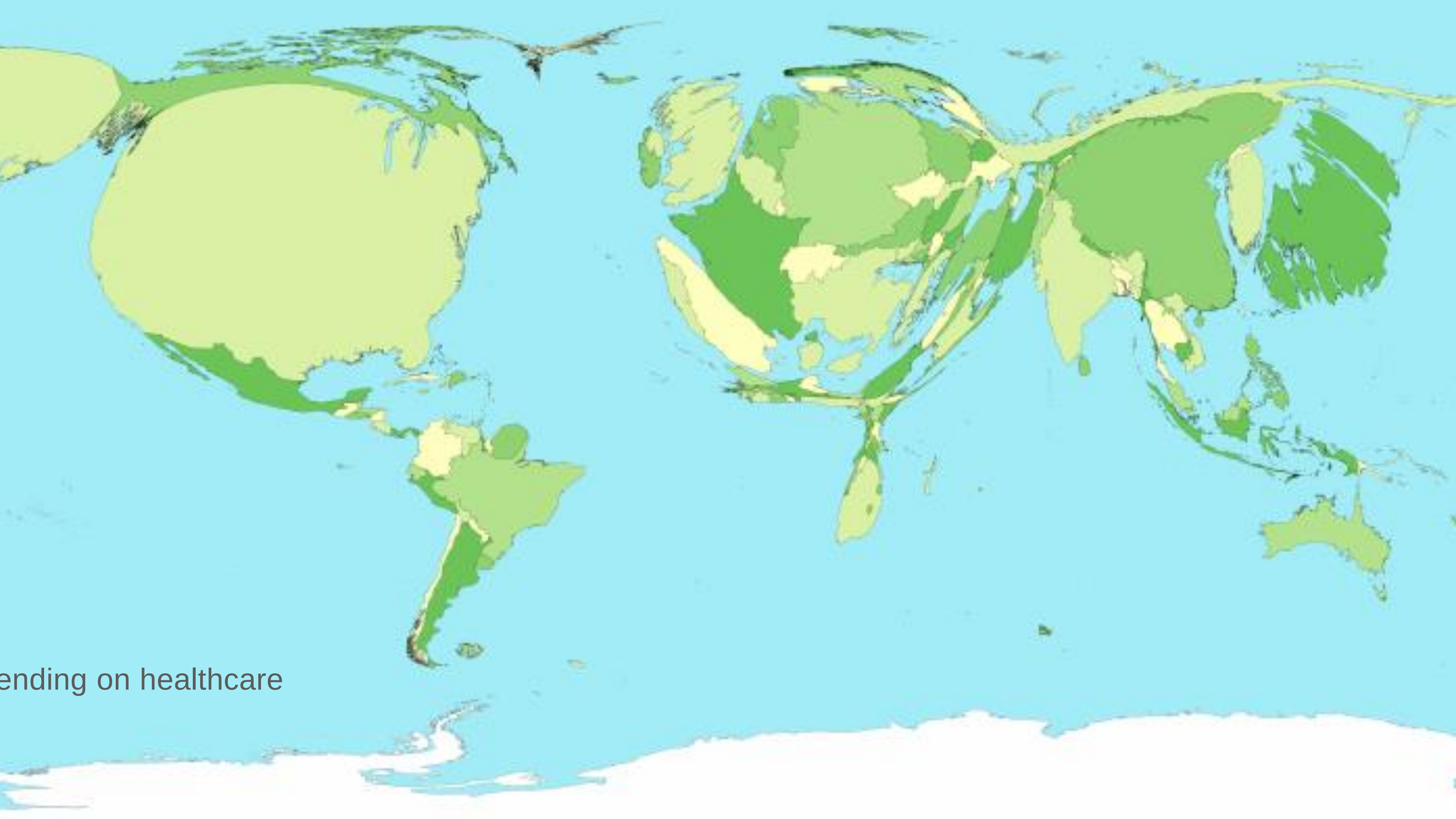
azimuthal

azimuthal

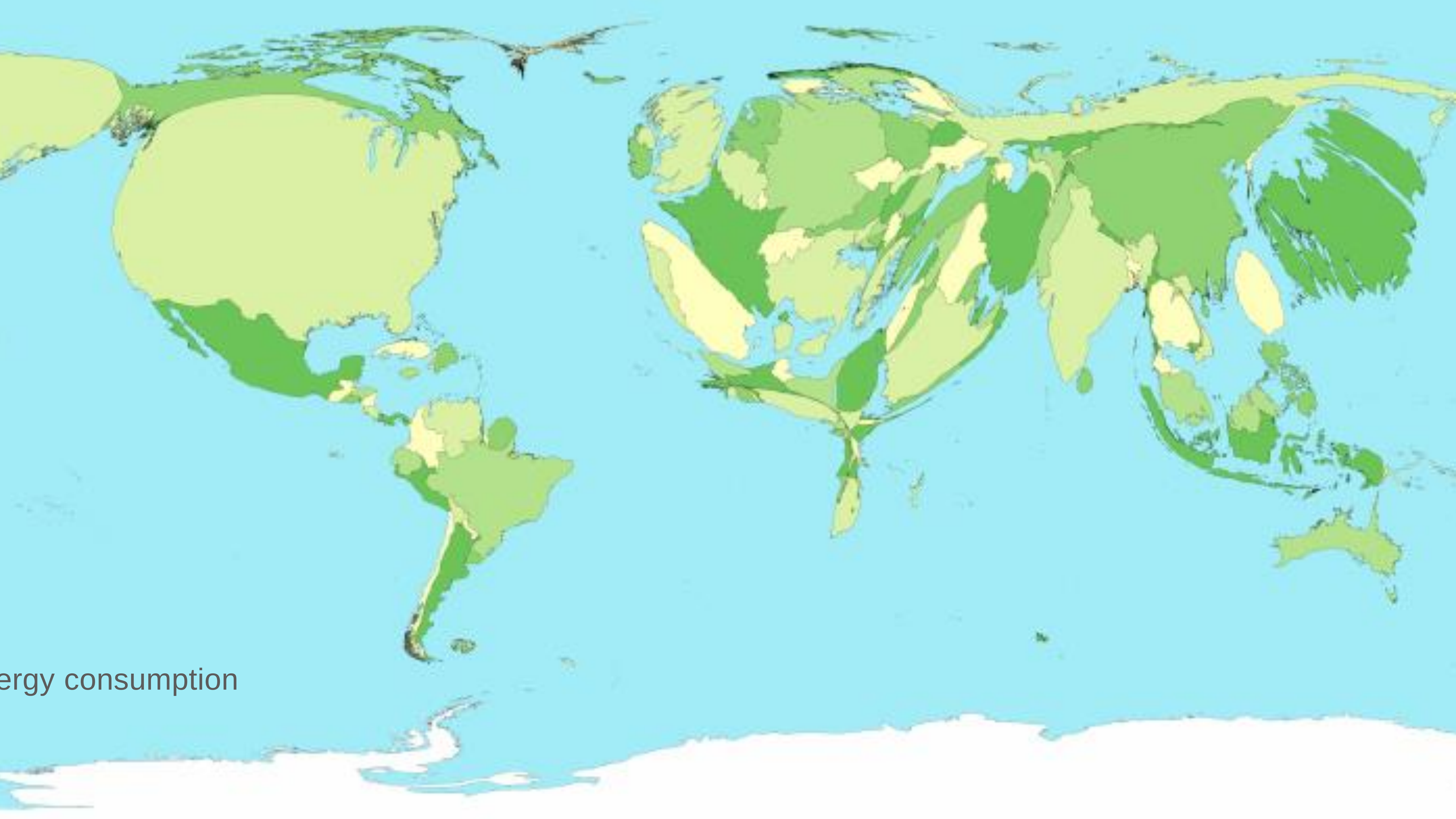
polyconical

opulation based

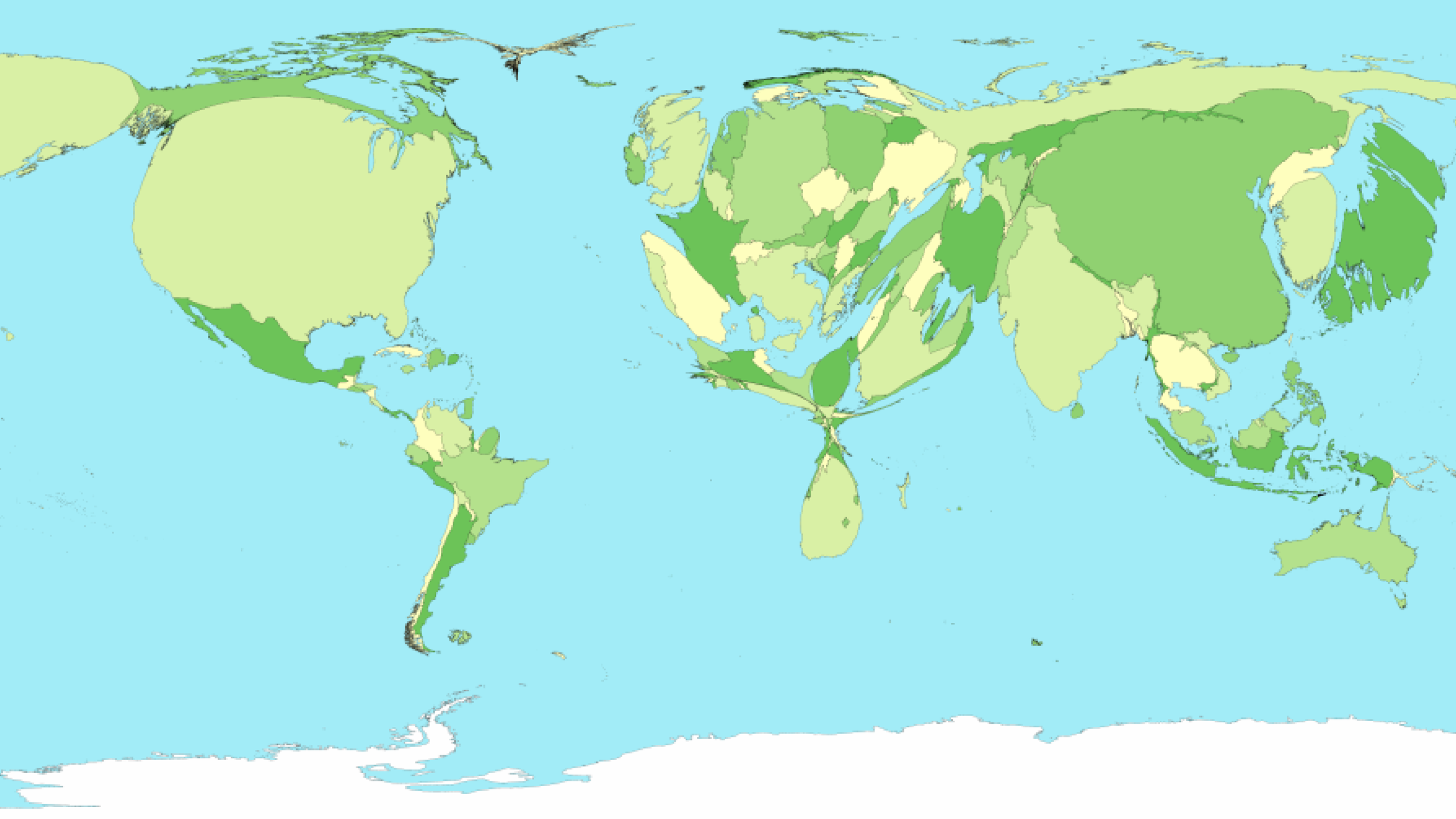

GDP



ending on healthcare



ergy consumption



DENSITY-EQUALIZING MAP PROJECTION (2004)

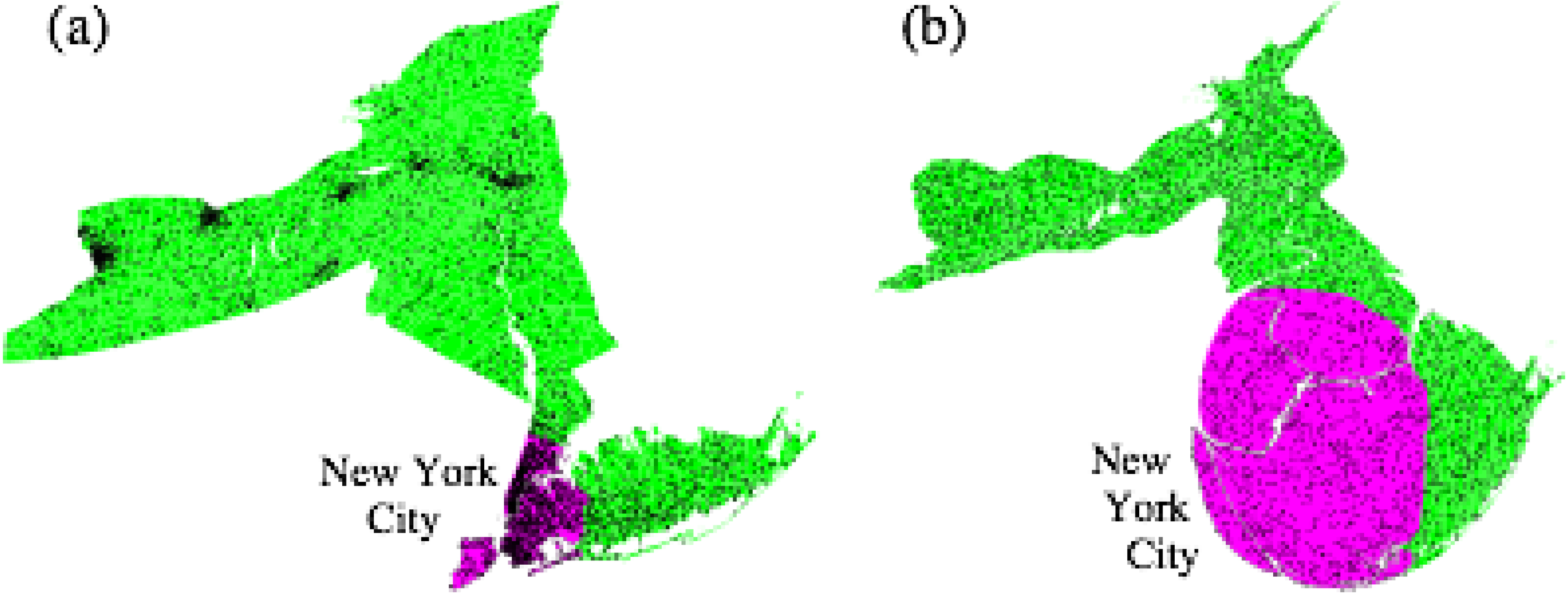
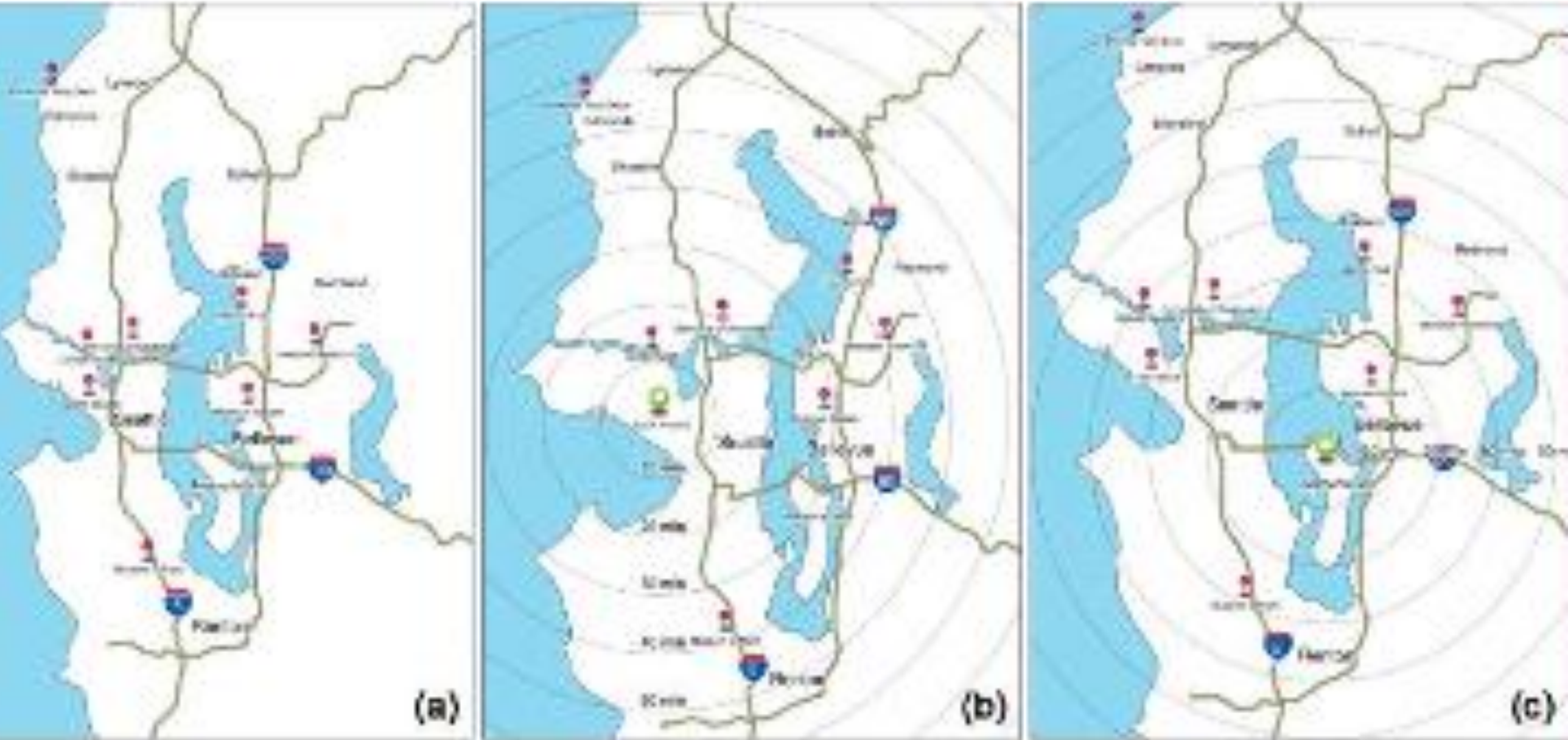
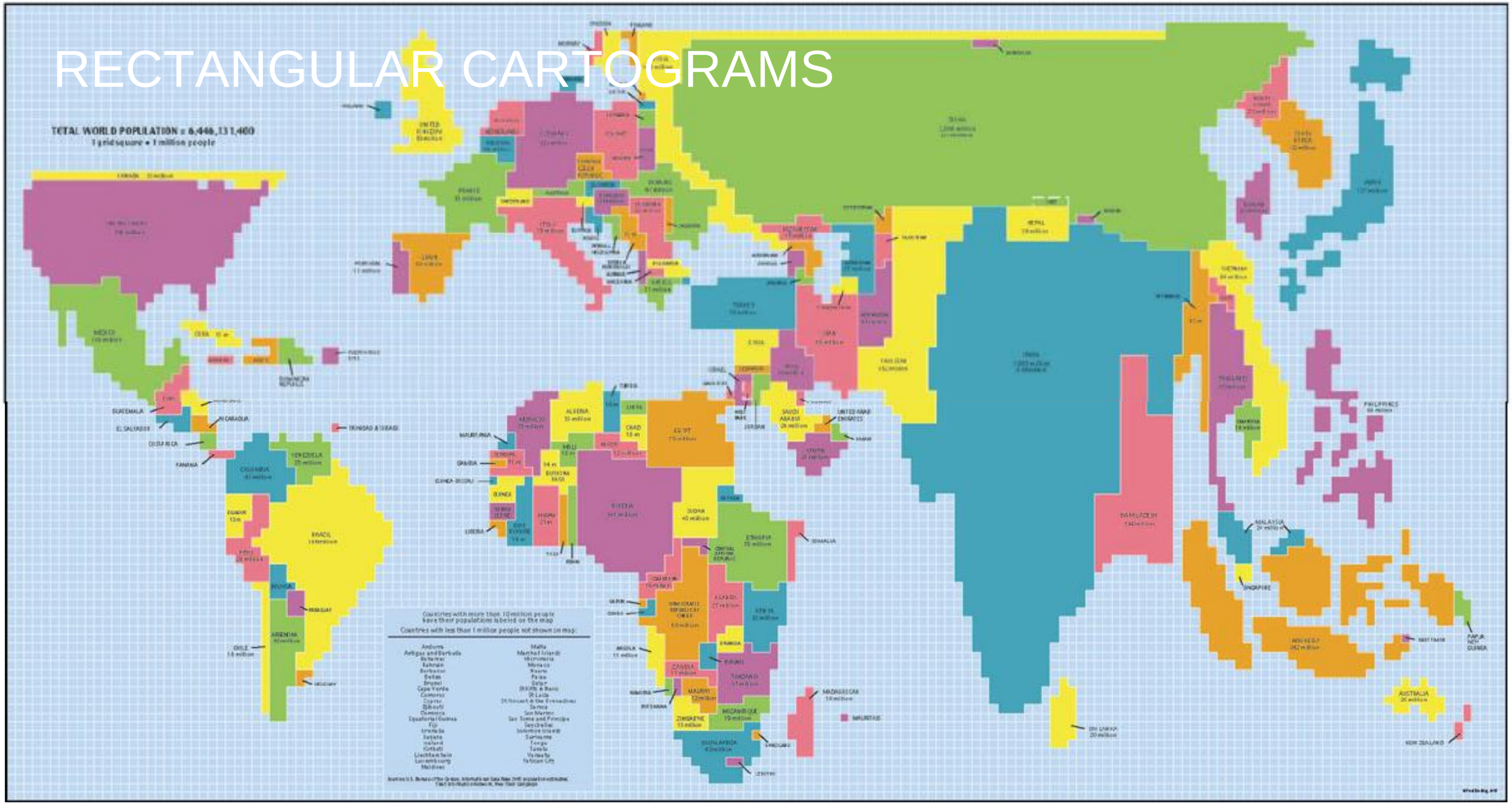


Figure 1.8 Airlines' view of the United States.
Maps can be scaled to units other than distance. In this case, airline fares are used instead of miles or other linear units.
(Map copyright by the author.)

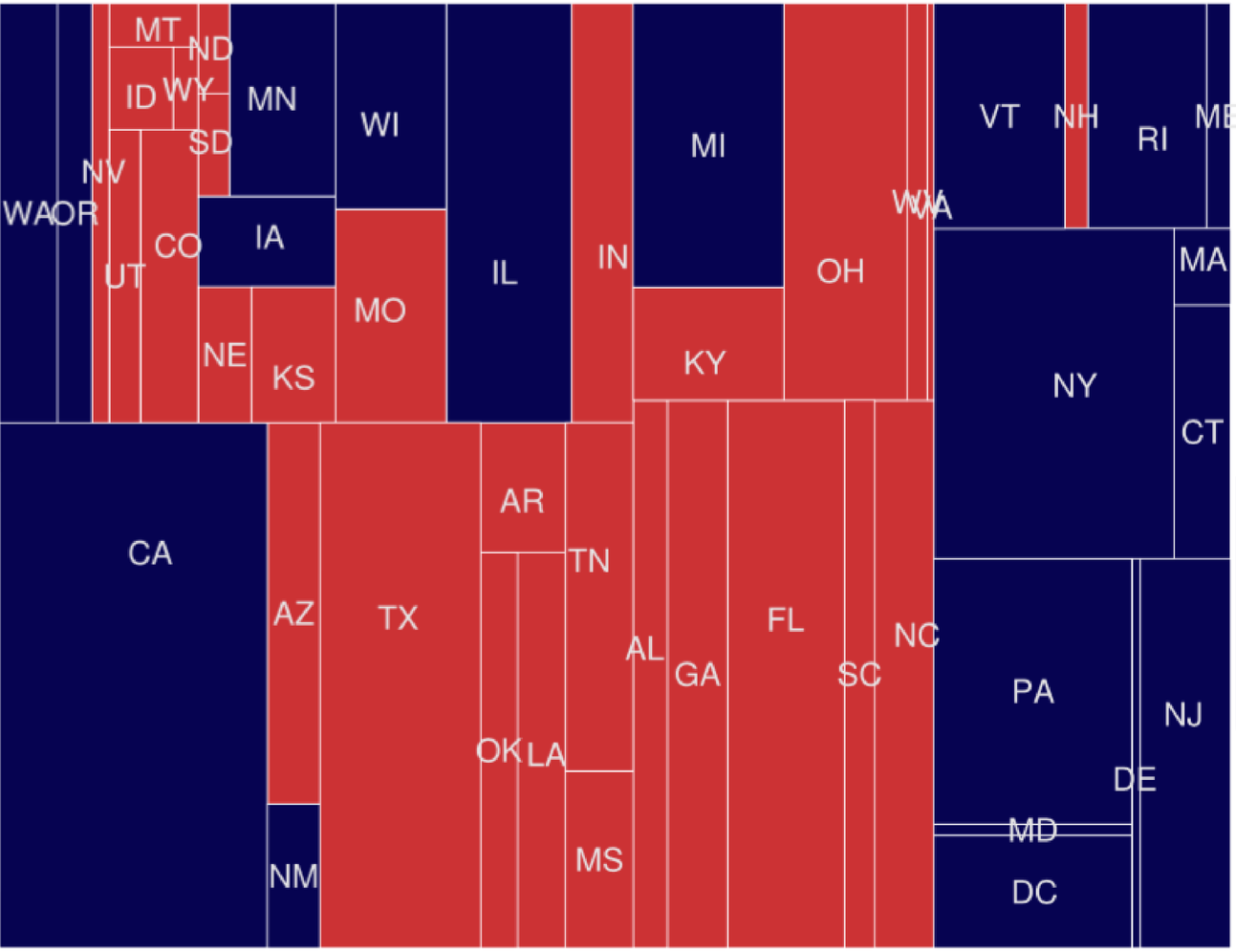
TRAFFIGRAM (2014)



RECTANGULAR CARTOGRAMS



RECMAP (2004)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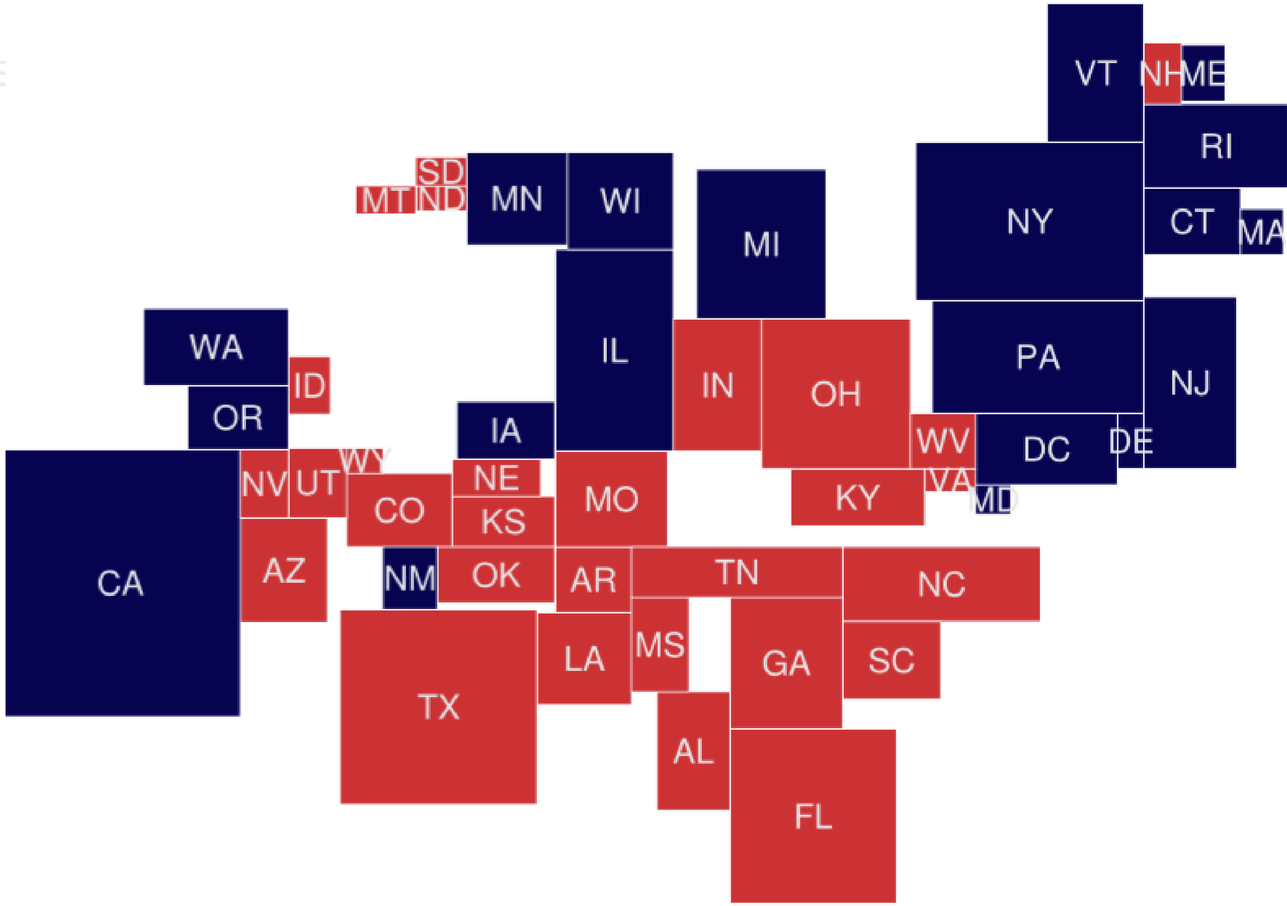
NM
DC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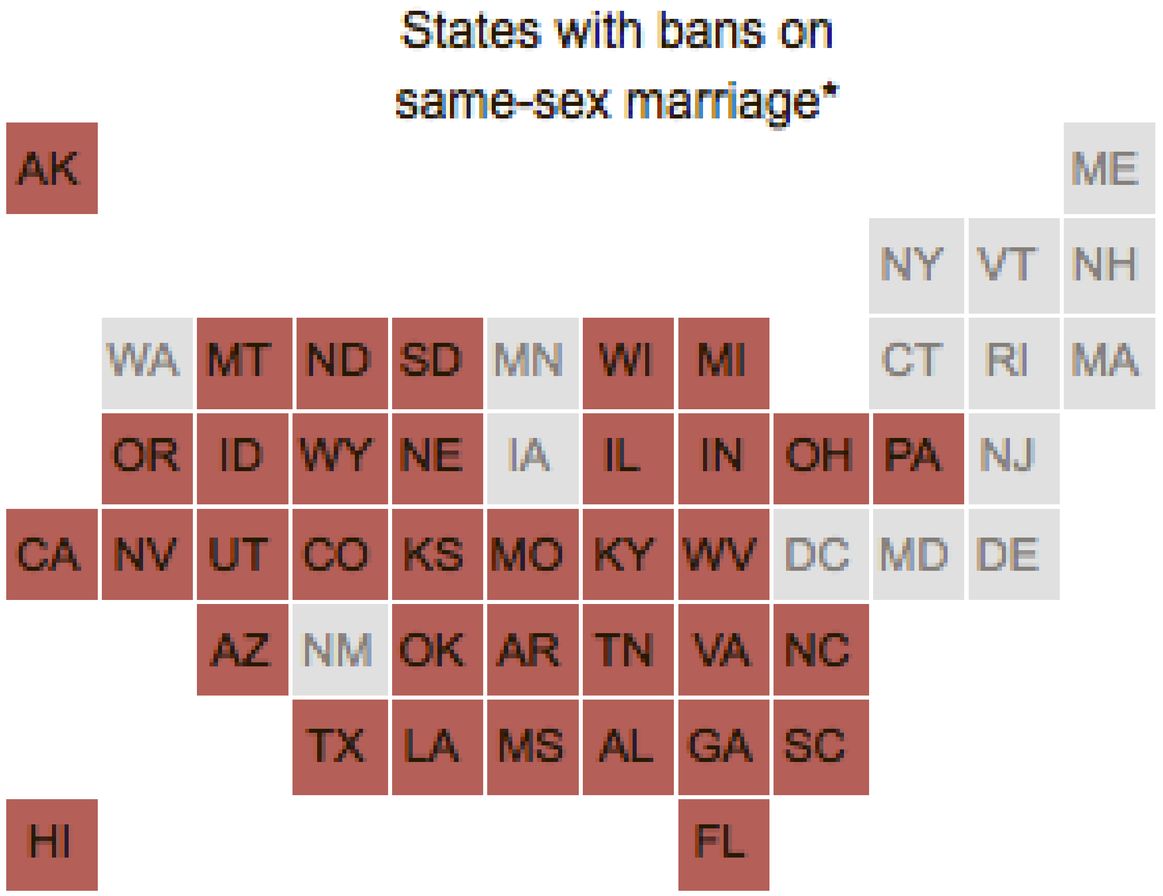
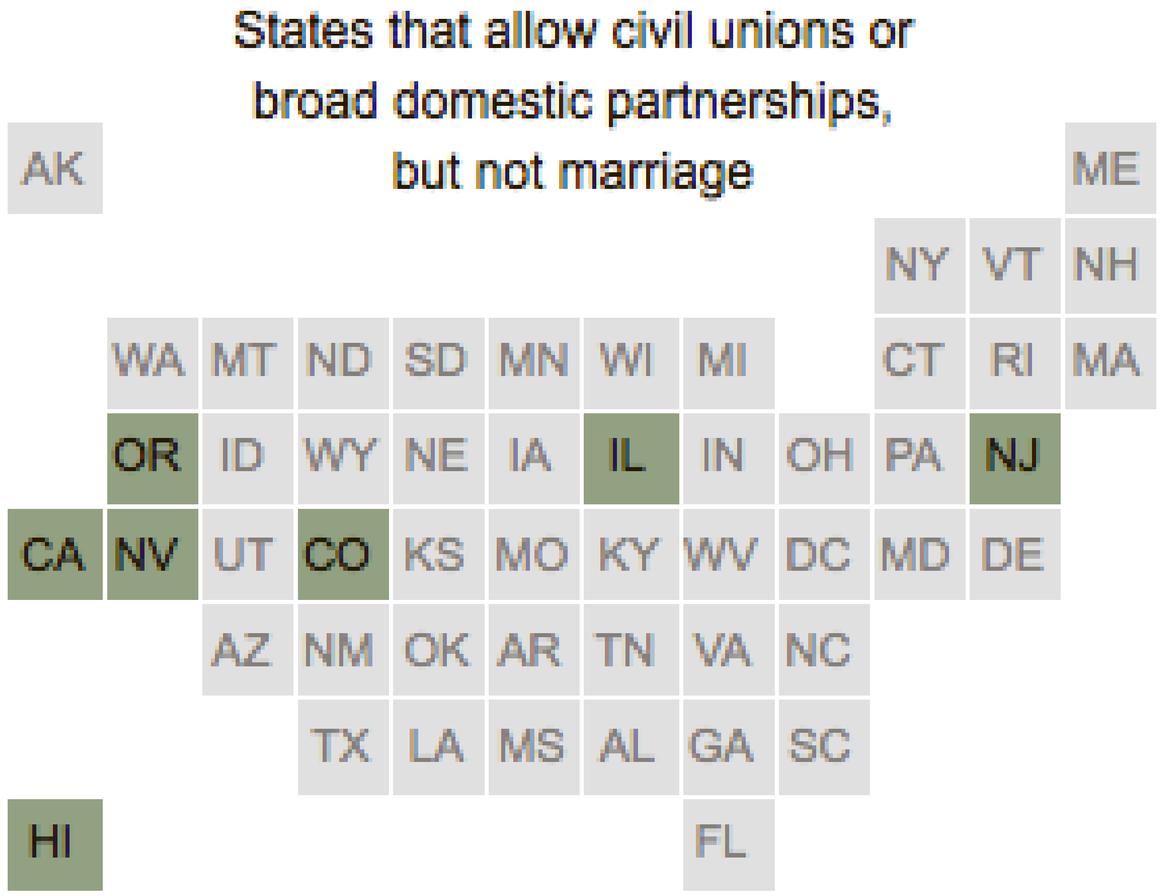
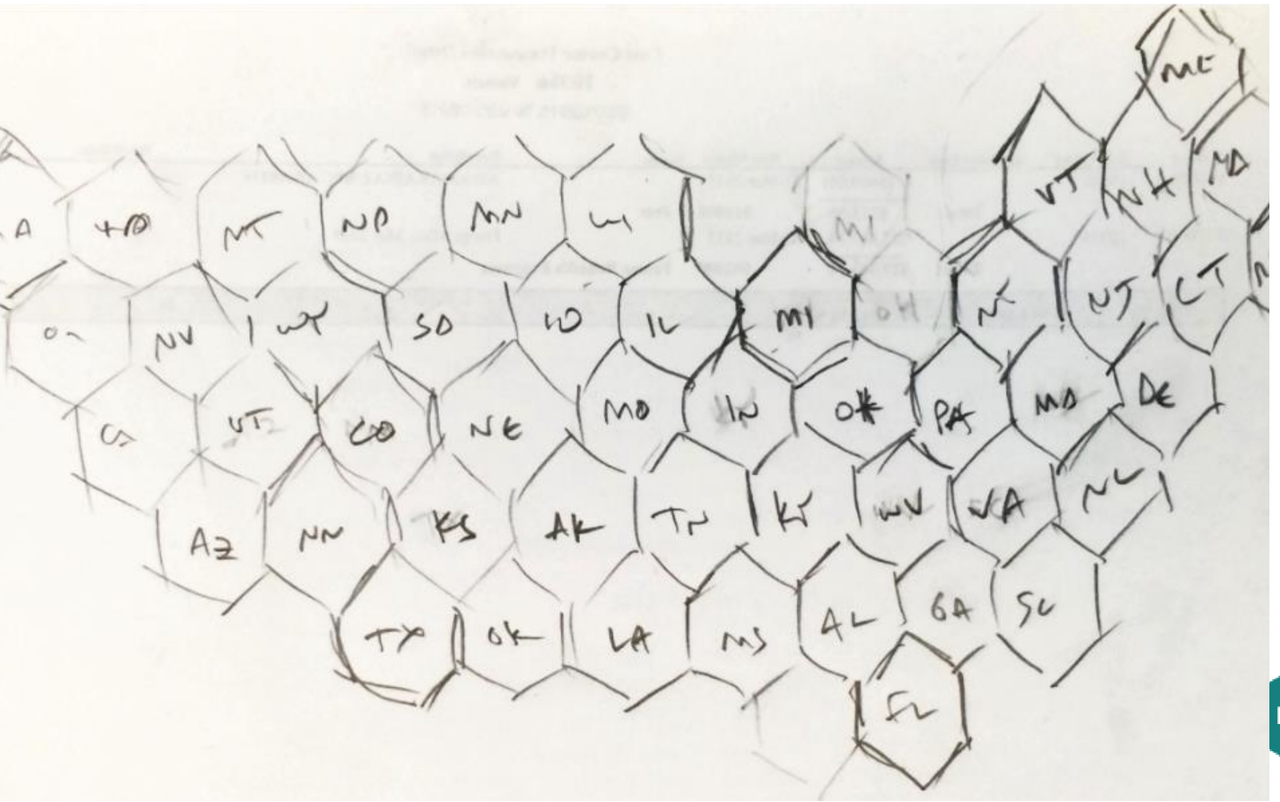
MS
GA
SC
AL
FL

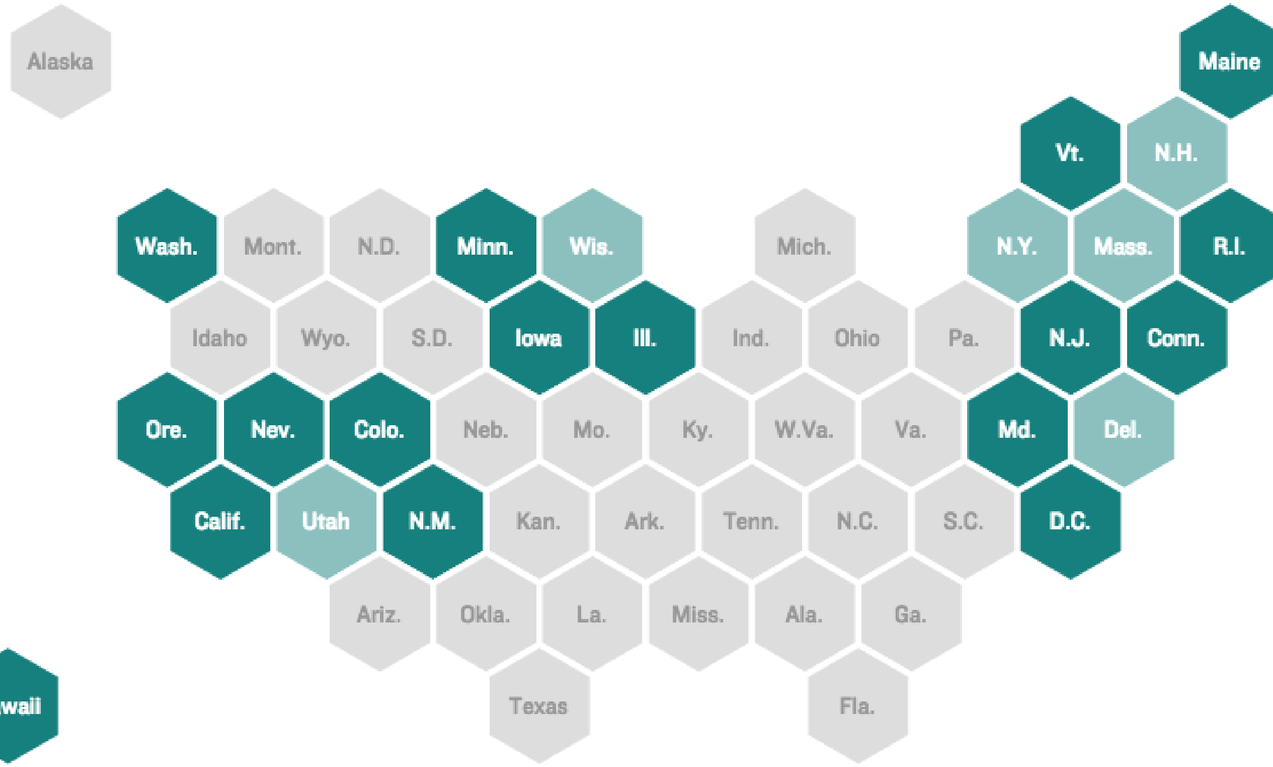
GRID MAP


States with bans on same-sex marriage*
AK
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


States that allow civil unions or broad domestic partnerships, but not marriage
AK
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
Maine
Vt.
N.H.
Wash.
Mont.
N.D.
Minn.
Wis.
Mich.
N.Y.
Mass.
R.I.
Idaho
Wyo.
S.D.
Iowa
Ill.
Ind.
Ohio
Pa.
N.J.
Conn.
Ore.
Nev.
Colo.
Neb.
Mo.
Ky.
W.Va.
Va.
Md.
Del.
Calif.
Utah
N.M.
Kan.
Ark.
Tenn.
N.C.
S.C.
D.C.
Ariz.
Okla.
La.
Miss.
Ala.
Ga.
Texas
Fla.
Hawaii

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

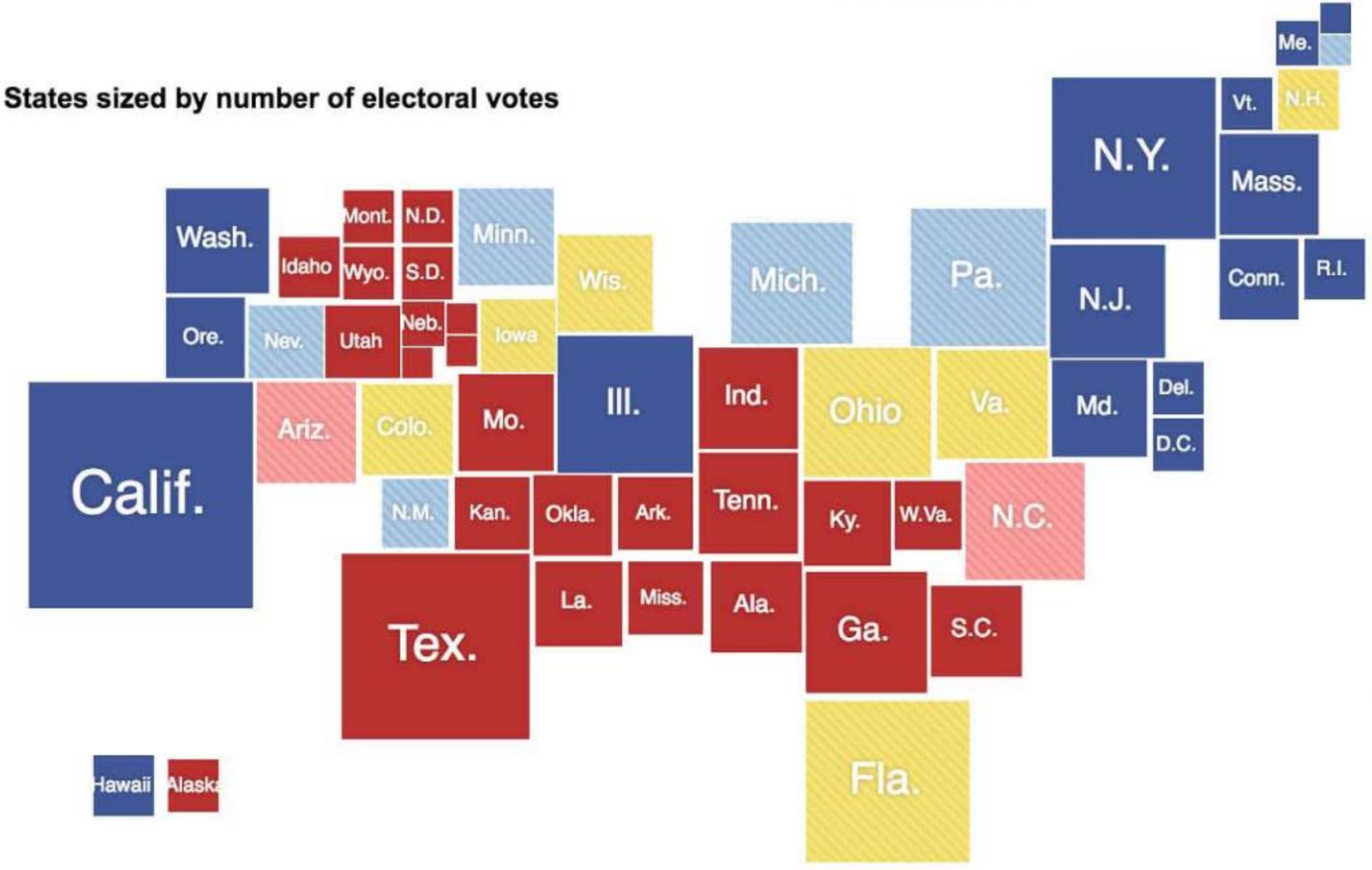
Needs 64 to win **206** Romney
ELECTORAL VOTES

185 Solid Obama | 58 Leaning Oba... | 89 Tossup Votes | 26 Le... | 180 Solid Romney

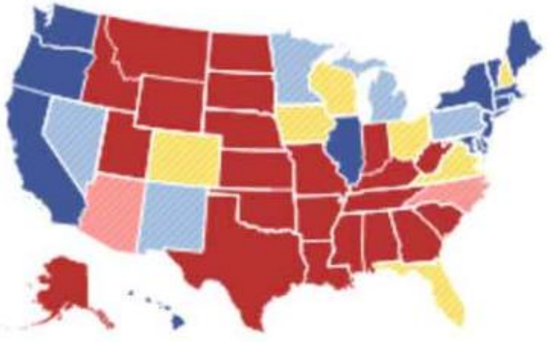
270 needed to win

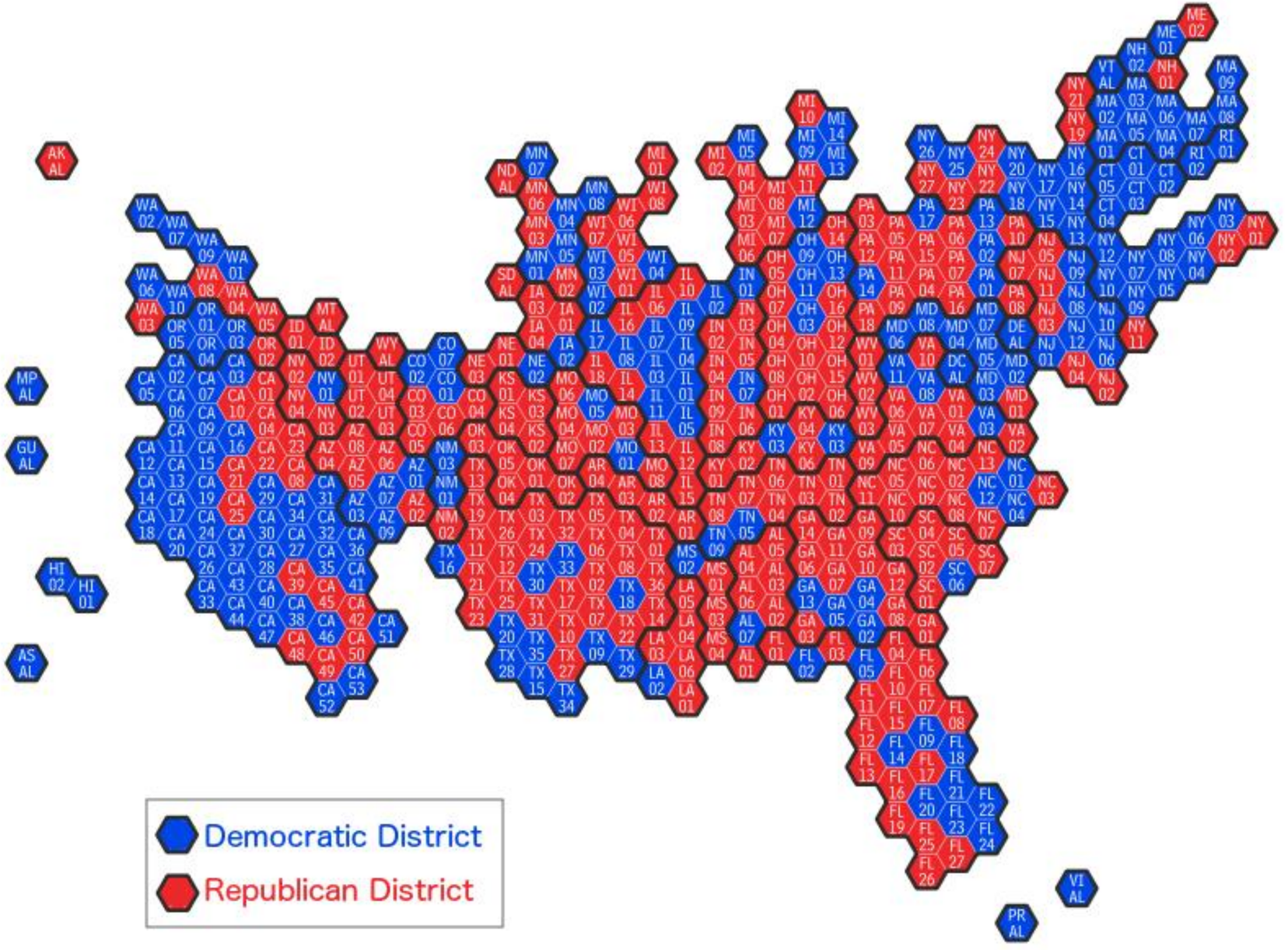
Maine and Nebraska give two electoral votes to the statewide winner and allocate the rest by congressional district.

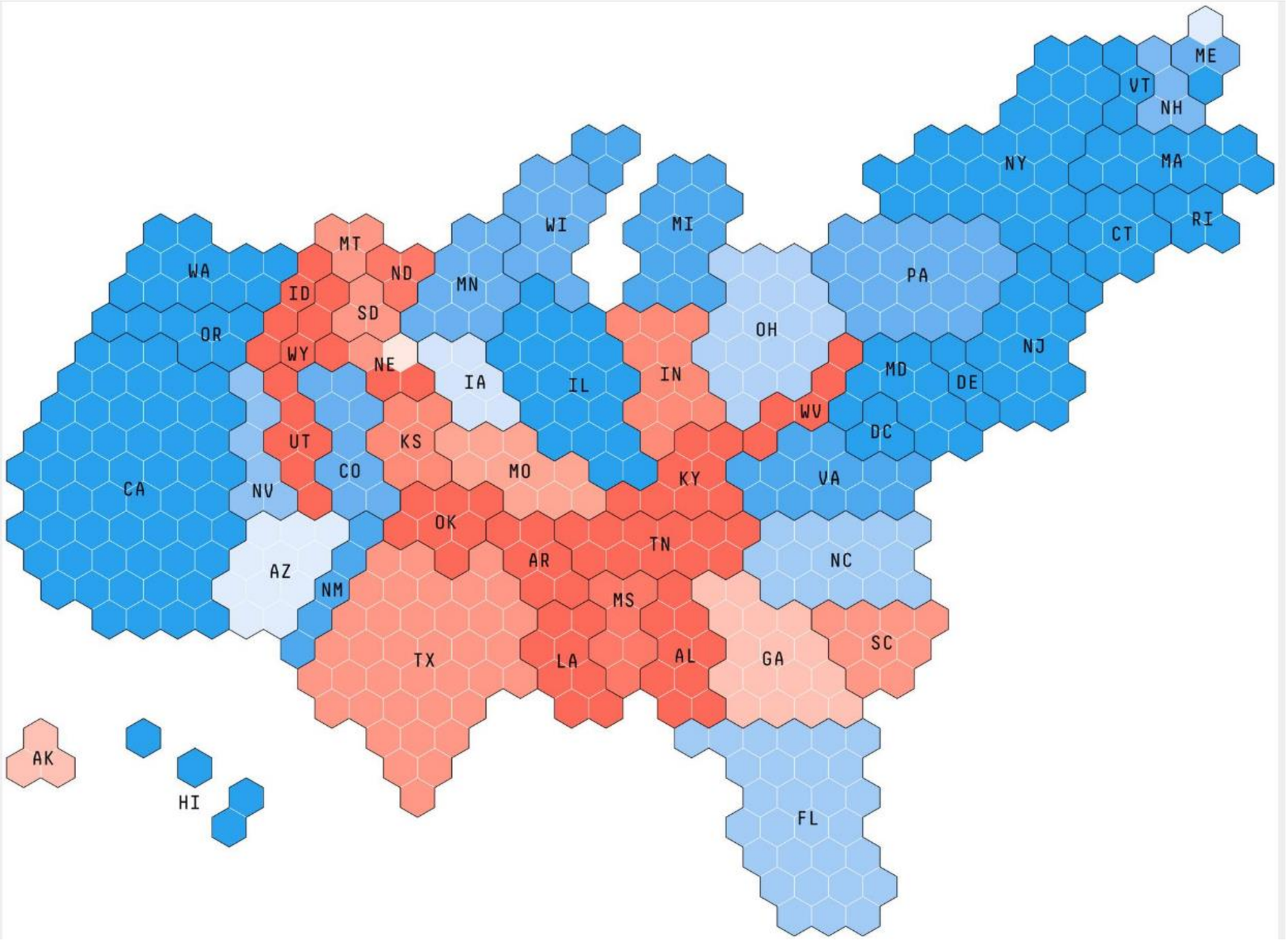
States sized by number of electoral votes



Geographic View




Democratic District
Republican District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CA
OR
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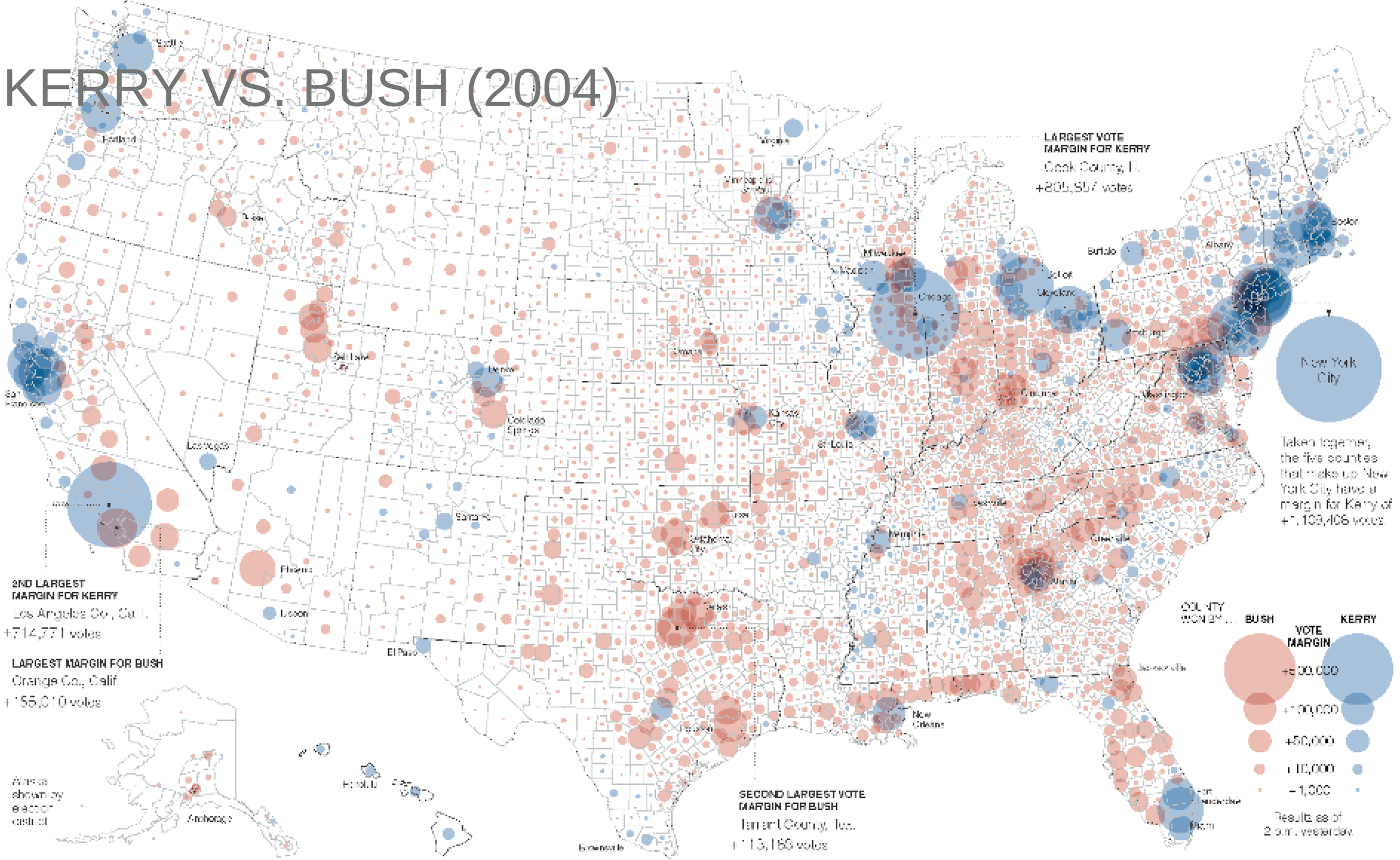
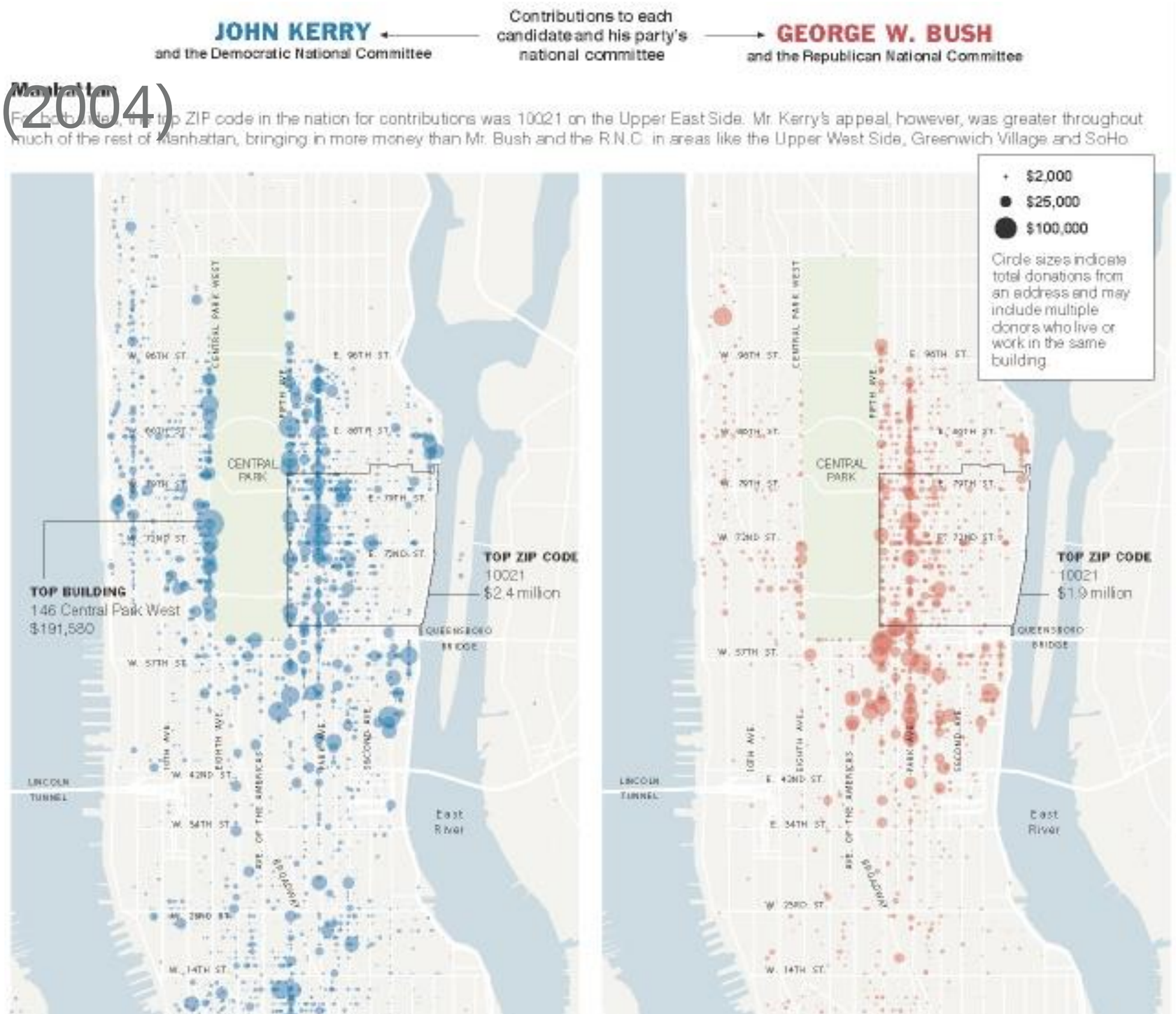
HI
AK

KERRY VS. BUSH (2004)



KERRY VS. BUSH (2004)



Twitter Chatter During the Super Bowl

As the Steelers and Cardinals battled on the field, Twitter users across the nation pecked out a steady stream of "tweets." The map shows the location and frequency of commonly used words in Super Bowl related messages.

- **All "tweets"**
- Steelers vs. Cardinals
- Talking about ads
- Player names
- Emoticons :)
- People saying "go"

Smith
Miller
Jones
Williams
Johnson
Brown
Wilson
Anderson
Taylor
Davis
Martin
Clark
Moore
Jackson
White
Harris
Thomas
Lewis
Martinez
Rodriguez
Sanchez
Gonzalez
Lee
Wagner
Young
Myers
Campbell
Lewis
Kelly
Baker
Thompson
Hall
Walker
Phillips
Carter
Roberts
Evans
Turner
Collins
Edwards
Stewart
Morris
Rogers
Reed
Cook
Morgan
Bell
Murphy
Rivera
Cooper
Richardson
Cox
Howard
Ward
Torres
Peterson
Gray
Ramirez
James
Watson
Brooks
Kelly
Sanders
Price
Bennett
Wood
Barnes
Ross
Henderson
Coleman
Jenkins
Perry
Powell
Long
Patterson
Hughes
Flores
Washington
Butler
Simmons
Foster
Gonzales
Bryant
Alexander
Russell
Griffin
Diaz
Hayes
Myers
Ford
Hamilton
Graham
Sullivan
Wallace
Woods
Cole
West
Jordan
Owens
Reynolds
Fisher
Ellis
Harrison
Gibson
McDonald
Cruz
Marshall
Ortiz
Gomez
Murray
Freeman
Wells
Webb
Simpson
Stevens
Tucker
Porter
Hunter
Hicks
Crawford
Henry
Boyd
Mason
Morales
Kennedy
Warren
Dixon
Ramos
Reyes
Burns
Gordon
Shaw
Holmes
Rice
Robertson
Hunt
Black
Daniels
Palmer
Mills
Nichols
Grant
Knight
Ferguson
Rose
Stone
Hawkins
Dunn
Perkins
Hudson
Spencer
Gardner
Stephens
Payne
Pierce
Berry
Matthews
Arnold
Wagner
Willis
Ray
Watkins
Olson
Carroll
Duncan
Snyder
Hart
Cunningham
Bradley
Lane
Andrews
Ruiz
Harper
Fox
Riley
Armstrong
Carpenter
Weaver
Greene
Lawson
Nelson
Hansen
Montgomery
Ellis
Chapman
Olson
Franklin
Lynch
Chavez
Obrien
Larson
Hoffman
Bailey
Carlson
Arnold
Vasquez
Spencer
Gilbert
Rogers
Ramirez
Sims
Patterson
Irwin
Chen
Todd
Blair
Barker
Cohen
Douglas
Bates
Neal
Dunlap
Fleming
Wang
Kim
Xu
Liu
Singh
Kumar
Patel
Desai
Shah
Nguyen
Tran
Le
Pham
Hoang
Phan
Vu
Dang
Do
Ngo
Duong
Ly
Cao
Huynh
Truong
Mai
Vo
Dinh
Lam
Ha
Thai
Quach
Luu
Trinh
Ton
Nguyen
Tran
Le
Pham
Hoang
Phan
Vu
Dang
Do
Ngo
Duong
Ly
Cao
Huynh
Truong
Mai
Vo
Dinh
Lam
Ha
Thai
Quach
Luu
Trinh
Ton

Mapping America: Every City, Every Block

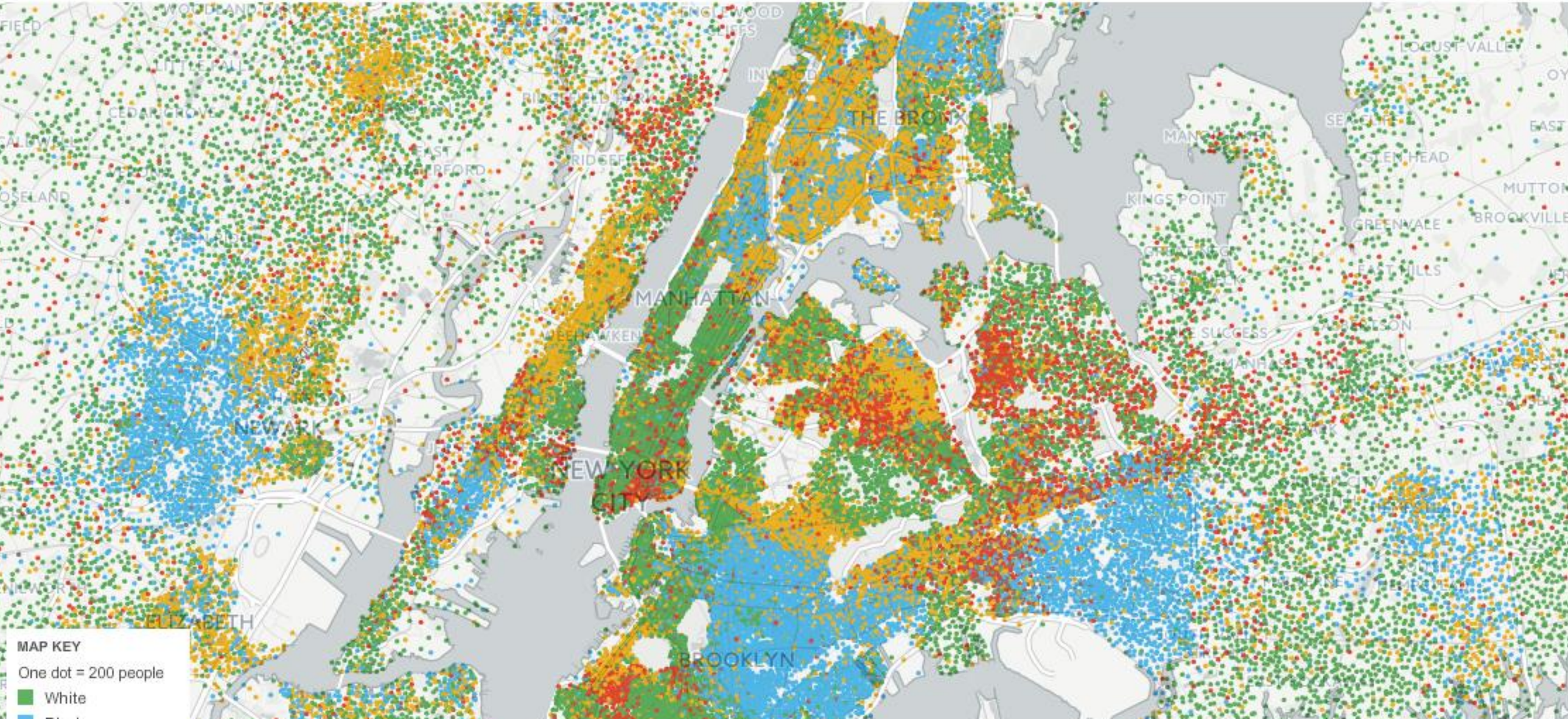
Find something interesting? Share this view on Twitter or Facebook

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)

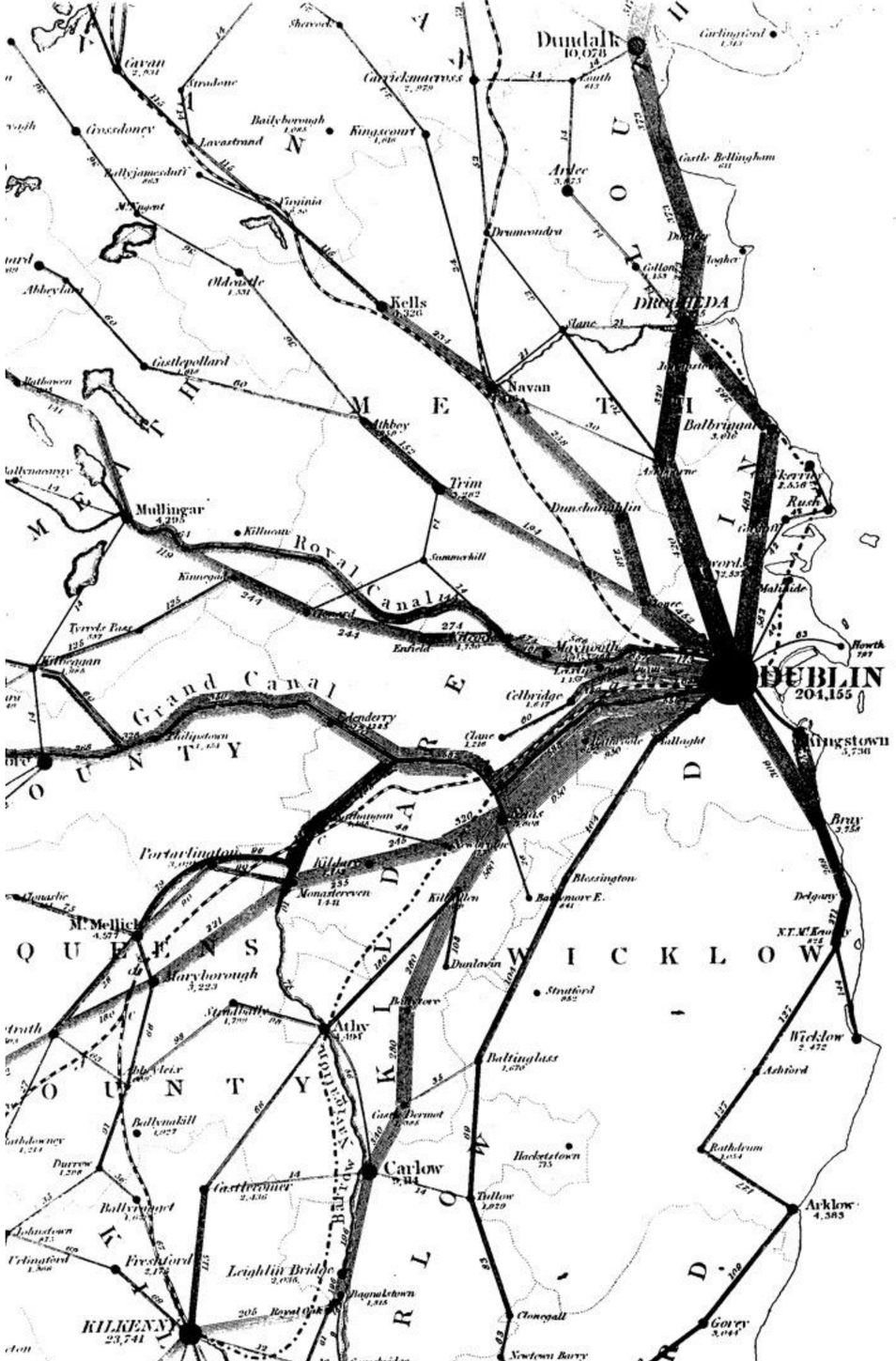
Distribution of racial and ethnic groups

View More Maps



FLOW MAPS

- First in 1837
  - Transportation of Passengers in Ireland


Dundalk
10,078
Navan
DUBLIN
201,155
Kingstown
5,730
Bray
3,752
Balbriggan
3,610
Drogheda
Kells
3,220
Trim
3,282
Mullingar
4,295
Maynooth
1,165
Athy
4,198
Carlow
9,344
Arklow
4,385
Wicklow
2,472
Gorey
3,044
KILKENNY
23,741
Royal Canal
Grand Canal
Dunshaughlin
Blessington
Baltinglass
Leighlin Bridge
Castlecomer
Portarlington
Tullow
Clonegall
Newtown Barry
Rathdrum
Ashford
Strafford
Delgany
Dunlavin
Hacketstown
Ballyjamesduff
Oldcastle
Castlepollard
Virginia
Drumcondra
Ardee
Slane
Summerhill
Enfield
Clane
Celbridge
Monasterevan
Ballybrittas
Ballyragget
Firshford
Durrow
Ballyknockan
Ballinakill
Stradbally
Maryborough
3,223
Rathdowney
1,211
Johnstown
975
Urlingford
1,366
Abbeyleix
1,000
Castle Dermot
2,098
Hagnaletown
1,318
Royal Oak
205
Kilcullen
Baltinglass
1,670
Tullow
1,879
Ballymore E.
241
Monasterevan
1,931
Kilbeggan
1,308
Tyrrells Pass
539
Killucan
Kinnegad
Gaigeshill
Ballynacarrigy
Abbeyland
Castlepollard
Gaigeshill
Ballymore
Ballyjamesduff
Virginia
Oldcastle
Kells
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Navan
Drumcondra
Ardee
3,823
Castle Bellingham
Dundalk
Carlingford
1,343
Gyrsdoney
Lavastrand
Baileborough
1,063
Kingscourt
1,896
Carrickmacross
2,870
Shercock
Cavan
2,831
Mullingar
4,295
Killucan
Kinnegad
Tyrrells Pass
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Kilbeggan
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Abbeyleix
1,000
Ballinakill
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Durrow
1,208
Ballyragget
1,702
Johnstown
975
Urlingford
1,366
Firshford
2,172
Leighlin Bridge
2,036
Castlecomer
2,436
Ballybrittas
1,931
Portarlington
3,000
Monasterevan
1,931
Maryborough
3,223
Stradbally
1,700
Athy
4,198
Ballyknockan
Dunlavin
Blessington
Baltinglass
1,670
Tullow
1,879
Carlow
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Hacketstown
735
Clonegall
Newtown Barry
Rathdrum
1,034
Ashford
Wicklow
2,472
Arklow
4,385
Gorey
3,044
Delgany
Bray
3,752
Kingstown
5,730
Howth
787
Malahide
Rush
Skerries
2,536
Balbriggan
3,610
Drogheda
Dunshaughlin
Summerhill
Enfield
Clane
1,216
Celbridge
1,417
Maynooth
1,165
Leixlip
1,700
Kilcullen
Ballymore E.
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Monasterevan
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Portarlington
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Clonaslee
Mountmellick
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Maryborough
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Stradbally
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Athy
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Ballinakill
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Rathdowney
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Durrow
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Johnstown
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Killucan
Kinnegad
Gaigeshill
Ballynacarrigy
Abbeyland
Castlepollard
Virginia
Oldcastle
Kells
3,220
Navan
Drumcondra
Ardee
3,823
Castle Bellingham
Dundalk
10,078

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 zônes colorées à raison d'un millimètre pour dix mille hommes; ils sont de plus écrits en travers des zônes. 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. Thiers, 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 Davoust qui avaient été détachés sur Minsk et Mobilow en ont rejoint vers Orscha et Witebsk, avaient toujours marché avec l'armée.

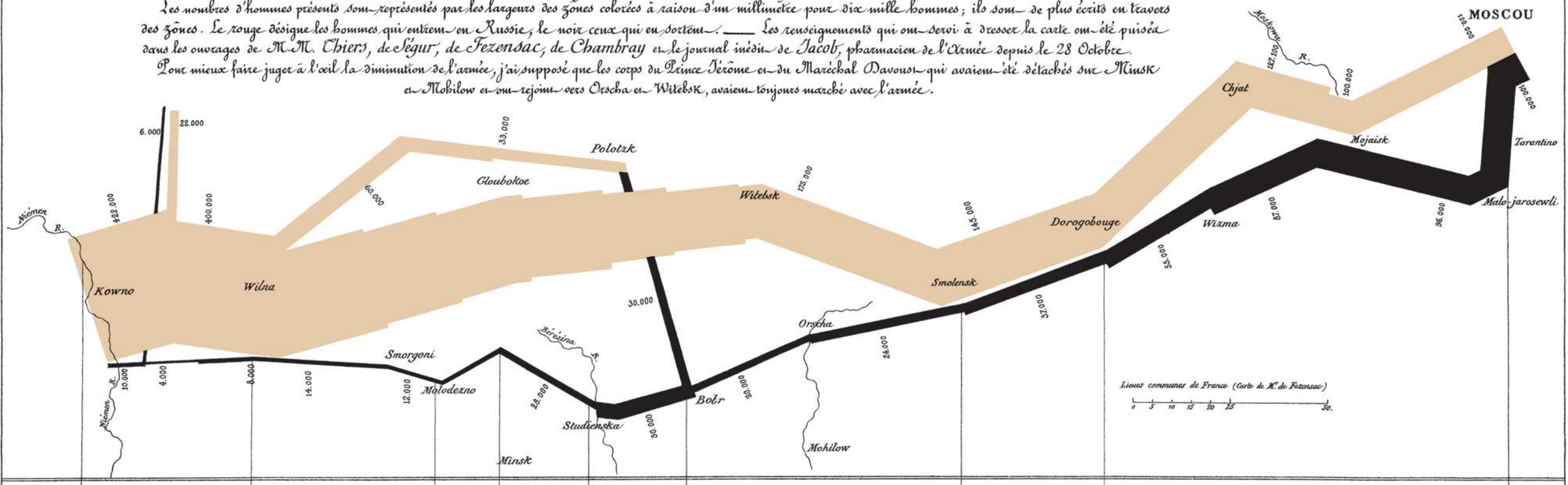
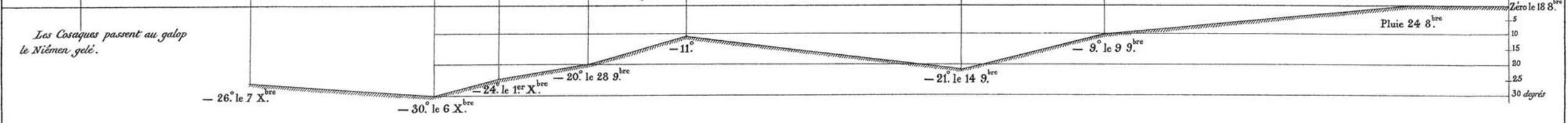


TABLEAU GRAPHIQUE de la température en degrés du thermomètre de Réaumur au dessous de zéro.

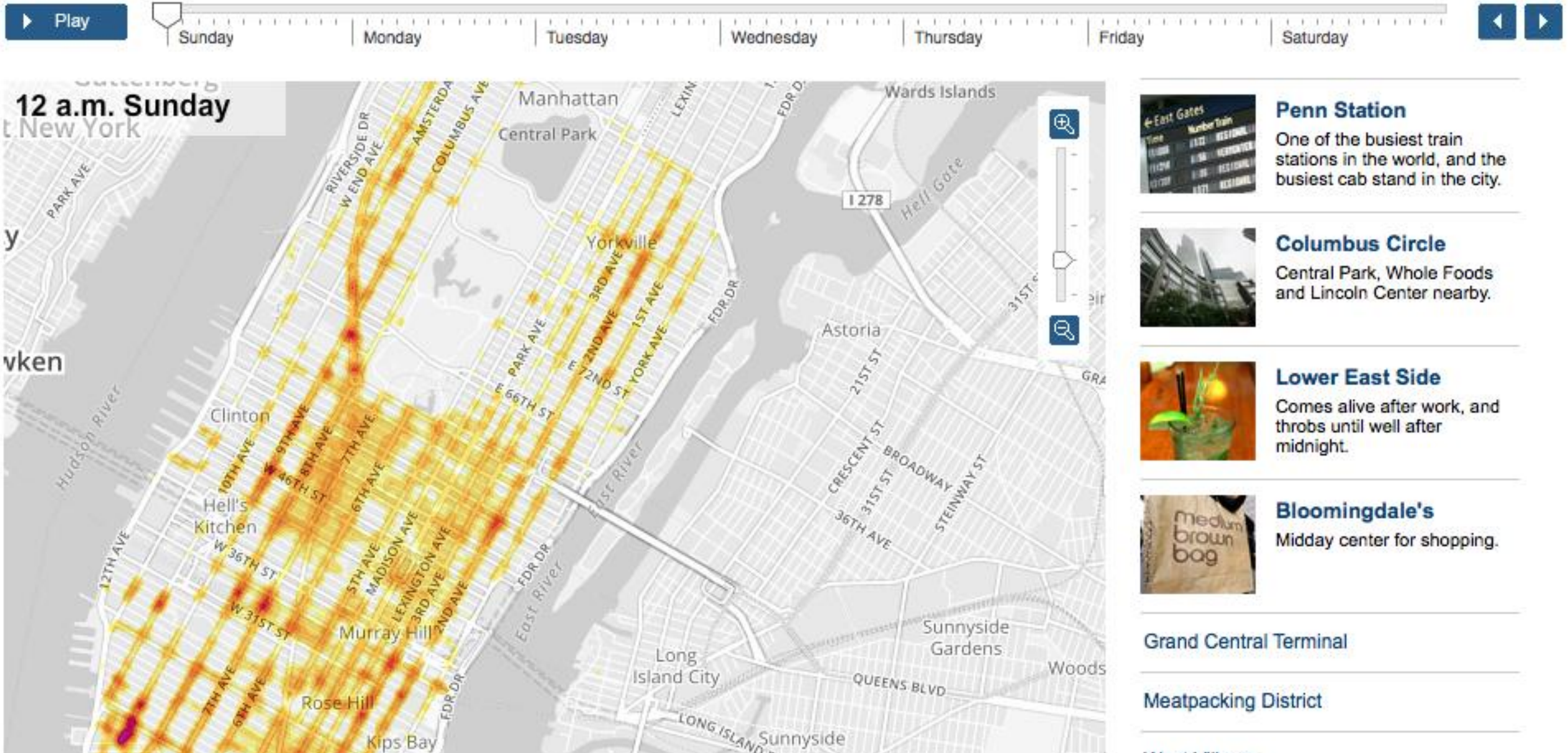


Autog. par Regnier, 8. Pas. Ste Marie St Gain à Paris.

Imp. Lith. Regnier et Dourdet.

FLOW MAP LAYOUT (2005)

TIME-VARYING MAPS



Penn Station

One of the busiest train stations in the world, and the busiest cab stand in the city.

Columbus Circle

Central Park, Whole Foods and Lincoln Center nearby.

Lower East Side

Comes alive after work, and throbs until well after midnight.

Bloomingdale's

Midday center for shopping.

Grand Central Terminal

Meatpacking District

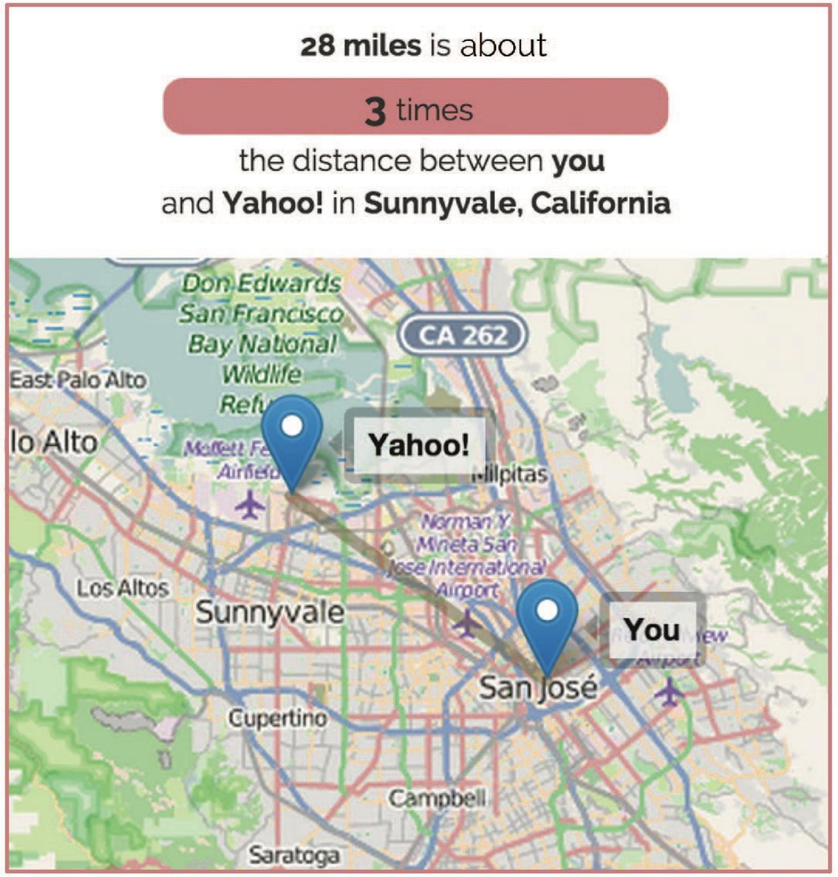
PERSONALIZED SPATIAL ANALOGIES (2016)

Some Say New Wal-Mart Intrudes on Historic Mexican Pyramids

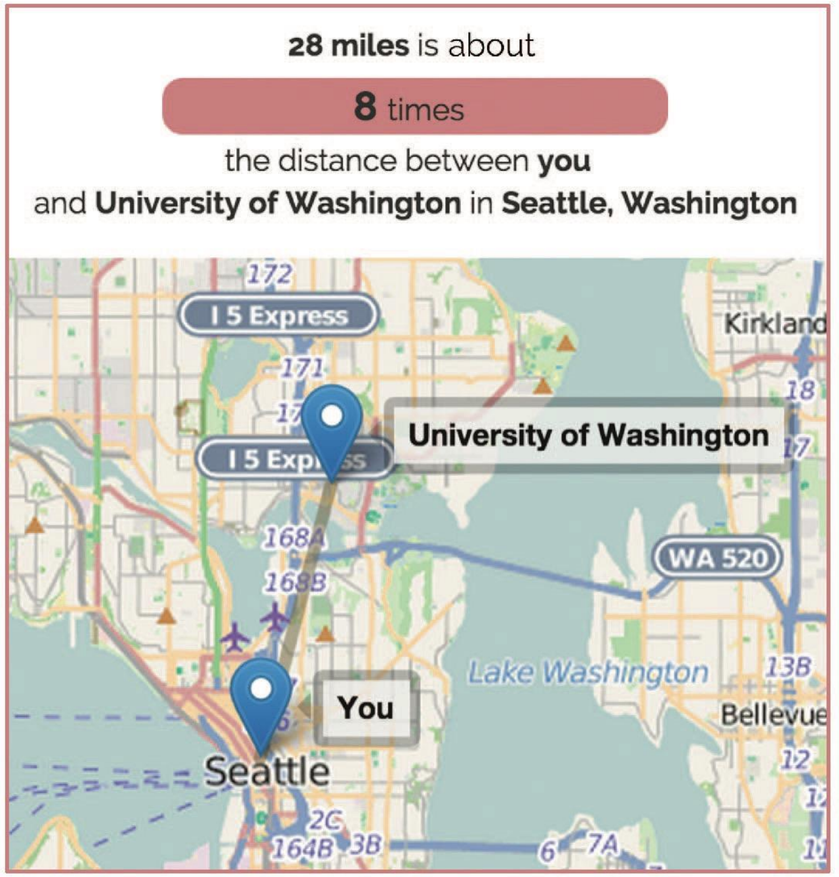
Oct 5, 2004, Mexico

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.

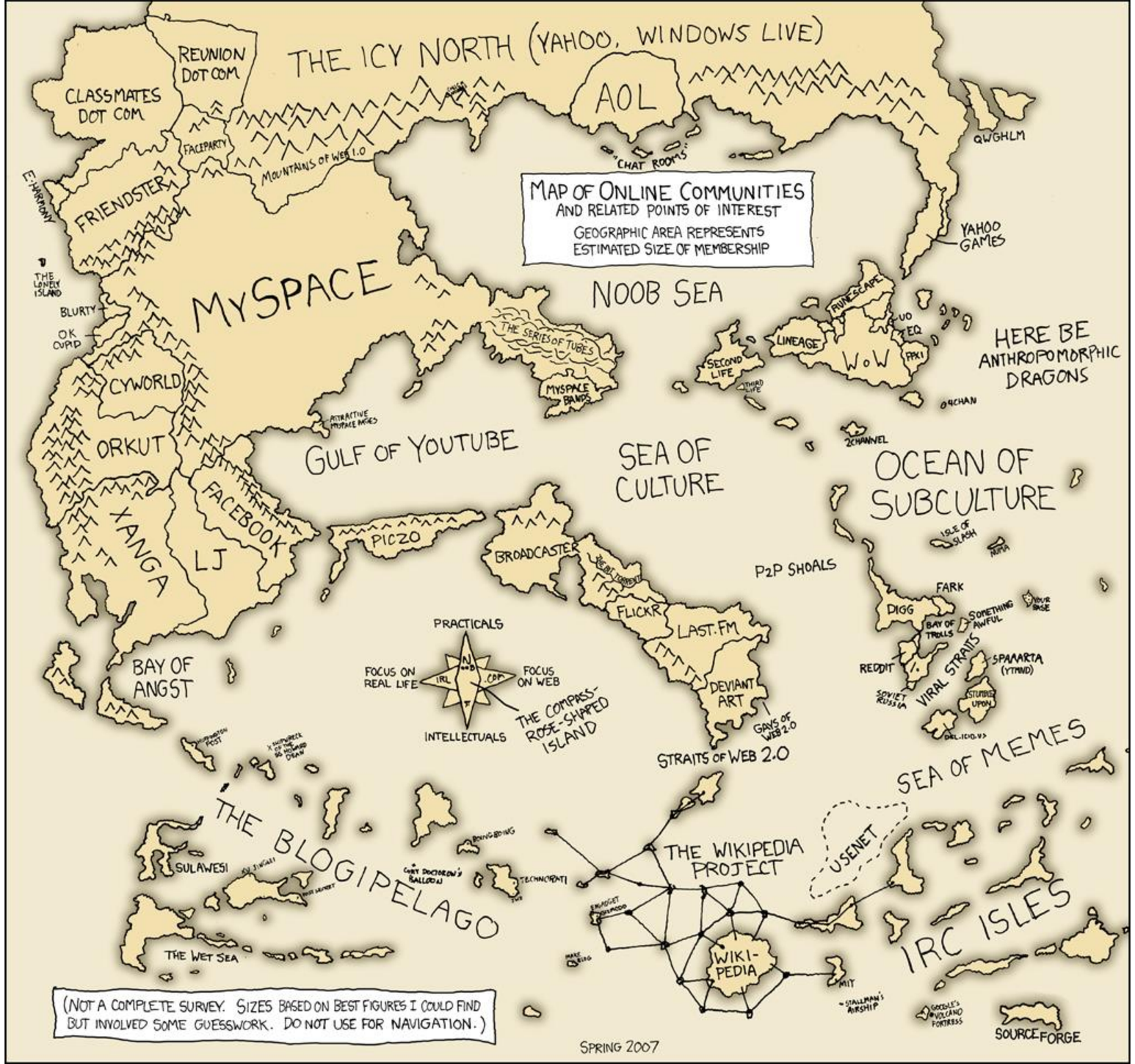
User location:

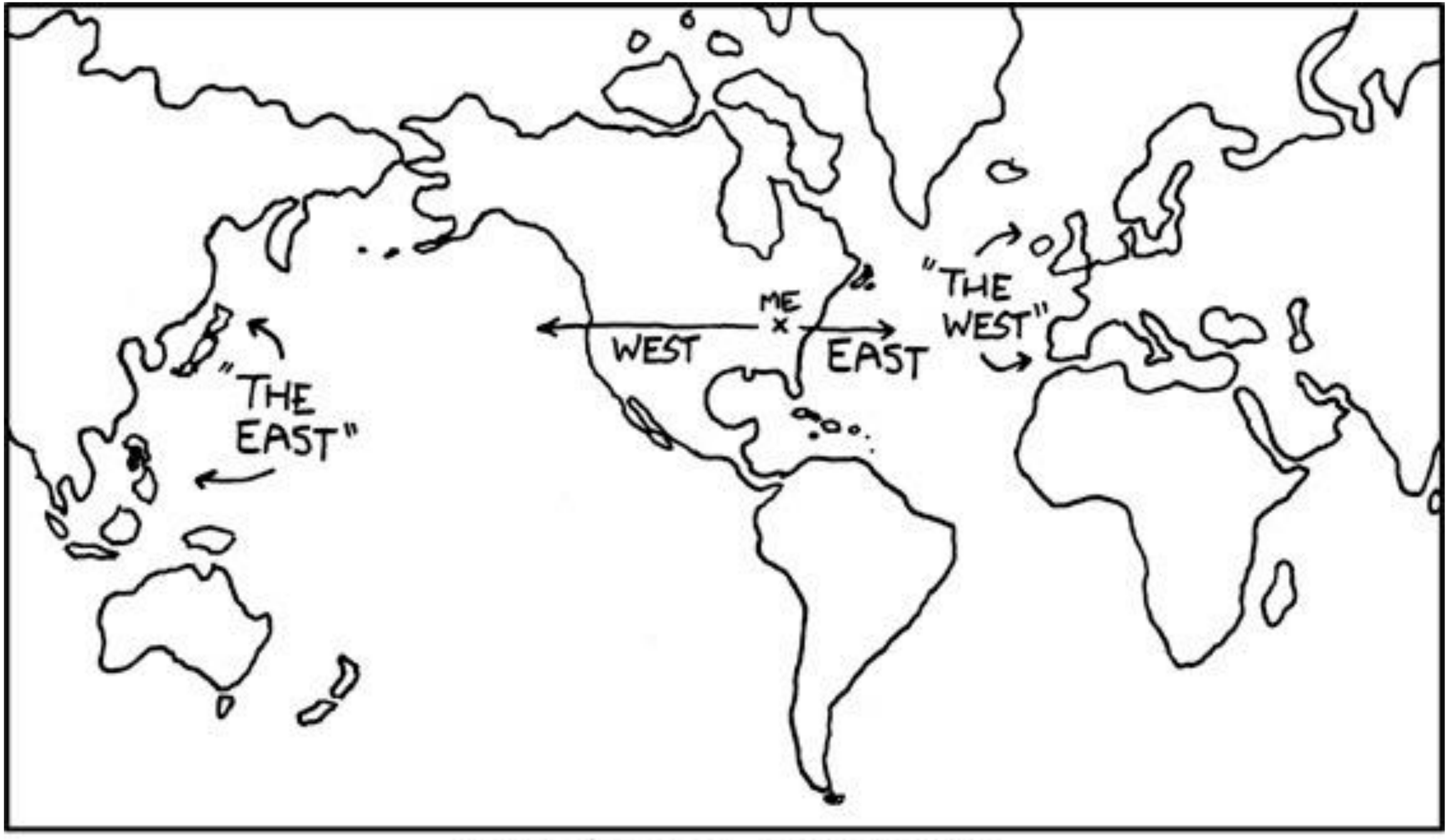


San Jose (37.338208 -121.886328)



Seattle (47.603961, -122.329887)


MAP OF ONLINE COMMUNITIES
AND RELATED POINTS OF INTEREST
GEOGRAPHIC AREA REPRESENTS ESTIMATED SIZE OF MEMBERSHIP
THE ICY NORTH (YAHOO, WINDOWS LIVE)
REUNION DOT COM
CLASSMATES DOT COM
FACEPARTY
MOUNTAINS OF WEB 1.0
AOL
"CHAT ROOMS"
QWGHLM
E-HARMONY
FRIENDSTER
THE LONELY ISLAND
BLURTY
OK CUPID
MYSPACE
NOOB SEA
YAHOO GAMES
RUNESCAPE
UO
EQ
LINEAGE
WoW
FFXI
SECOND LIFE
THIRD LIFE
HERE BE ANTHROPOMORPHIC DRAGONS
4CHAN
THE SERIES OF TUBES
MYSPACE BANDS
ATTRACTIVE MYSPACE MODELS
CYWORLD
ORKUT
GULF OF YOUTUBE
SEA OF CULTURE
2CHANNEL
OCEAN OF SUBCULTURE
XANGA
LJ
FACEBOOK
PICZO
BROADCASTER
ISLE OF SLASH
P2P SHOALS
FARK
DIGG
FLICKR
LAST.FM
BAY OF TROLLS
SOMETHING AWFUL
YOUR BASE
REDDIT
SPAMARTA (YTMND)
VIRAL STRAITS
SOVIET RUSSIA
STUMBLE UPON
PRACTICALS
FOCUS ON REAL LIFE
FOCUS ON WEB
IRL
COM
INTELLECTUALS
THE COMPASS-ROSE-SHAPED ISLAND
BAY OF ANGST
DEVIANT ART
GAYS OF WEB 2.0
STRAITS OF WEB 2.0
SEA OF MEMES
THE BLOGIPELAGO
SULAWESI
THE WET SEA
BOING BOING
CORY DOCTOROW'S BALLOON
TECHNORATI
THE WIKIPEDIA PROJECT
USENET
WIKI-PEDIA
MIT
STALLMAN'S AIRSHIP
IRC ISLES
GOOGLE'S VOLCANO FORTRESS
SOURCEFORGE
(NOT A COMPLETE SURVEY. SIZES BASED ON BEST FIGURES I COULD FIND BUT INVOLVED SOME GUESSWORK. DO NOT USE FOR NAVIGATION.)
SPRING 2007



THIS ALWAYS BUGGED ME.