LANDMARKS & PATHS
LINE DRIVE (2001)
AUTOMATIC GENERATION OF TOURIST MAPS (2008)
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)

2004 Popular Vote

Bush: 62 million
Kerry: 59 million

Amount of red and blue shown on map

Bush: 2,500,000 mi²
Kerry: 525,000 mi²
The deep red down the center of this map highlights the president's support in sparsely populated areas.
KERRY VS. BUSH (2004)

This map removes mostly uninhabited areas, revealing Mr. Bush’s suburban and rural support in the East and South.
KERRY VS. BUSH (2004)

Margins of Victory (%)
for George Bush vs. John Kerry
- 0-10.47
- 10.47-17.08
- 17.08-22.86
- 22.86-33.22
- 33.22-100

Voter Turnout as Percentage of Voting Age Population
- 0-55
- 55-60
- 60-100

States are color-coded according to the margins of victory and voter turnout.
KERRY VS. BUSH (2004)
KERRY VS. BUSH (2004)
Elvis Concerts

Attendance per State, 1970 - 1977

Note: NV, with an estimated concert attendance of over 600,000, is excluded because of space limitations.
UNFOLDING THE EARTH: MYRIAHEDRAL PROJECTIONS

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

Population based
Spending on healthcare
Energy consumption
Greenhouse gas emission
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

TOTAL WORLD POPULATION = 6,846,131,460
1 pixel = 1 million people
RECMAP (2004)
GRID MAP

States with bans on same-sex marriage*

States that allow civil unions or broad domestic partnerships, but not marriage
GRID MAP
Obama 243
Electoral Votes
Needs 27 to win
185 Solid Obama
56 Leaning Obama
89 Tossup Votes
26 Le...
180 Solid Romney
206
Electoral Votes
Needs 64 to win
270 needed to win

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

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.

Distribution of racial and ethnic groups

MAP KEY
- One dot = 200 people
- White
- Black
- Hispanic
- Asian
- Other
- Non-Hispanic

View More Maps
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.

Paris, le 20 Novembre 1869.

Les nombres d'hommes prétés sont représentés par les larges des zones colorées à raison d'un millimètre pour dix mille hommes ; ils sont de plus écrits en lettres des yeux. Le rouge désigne les hommes qui entrent en Russie, le noir ceux qui en sortent. Les renforts envoyés qui ces jours à dessiner la carte ont été pris dans les rapports de M. Chavet, de l'Intérieur, de Fantin, de Clermont, enfin de l'Armée depuis le 23 Octobre.

Pour mieux faire juger à l'œil la diminution de l'armée, j'ai supporté que le corps du Prince Récamier et du Maréchal Davout, qui avoient été détachés sur Minsk et Mohilev et qui se rejoignent à Orsha en Wilisbo, avoient toujours marche avec l'armée.

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

Les Campagne passent au gelée le Xème de H. sol., 12°.
FLOW MAP LAYOUT (2005)
TIME-VARYING MAPS

12 a.m. Sunday

- **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**
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)
THIS ALWAYS BUGGED ME.