

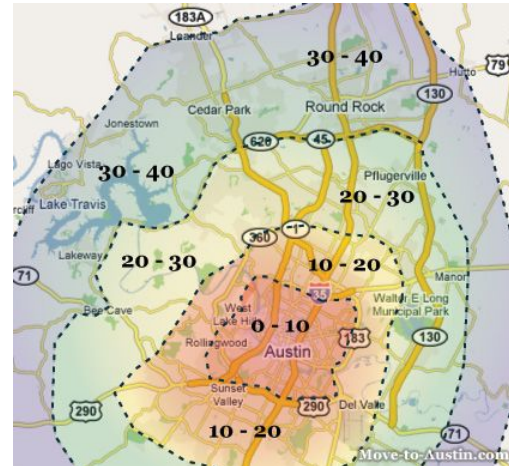
Geography Can Be Cool

Seriously

Why does geography matter?

Geography: the study of looking at every aspect of the Earth's systems, such as human economies, societies, cultures, plants, animals, & climate. Geographers analyze the interactions between these things.

Think: What are some other ways that geography affects your everyday life?



What is a map REALLY?

Map: The basic tool of geography. A representation of an area of land or water showing borders, physical features, cities, roads, etc. It is 2 dimensional.

What else can we see on maps...?



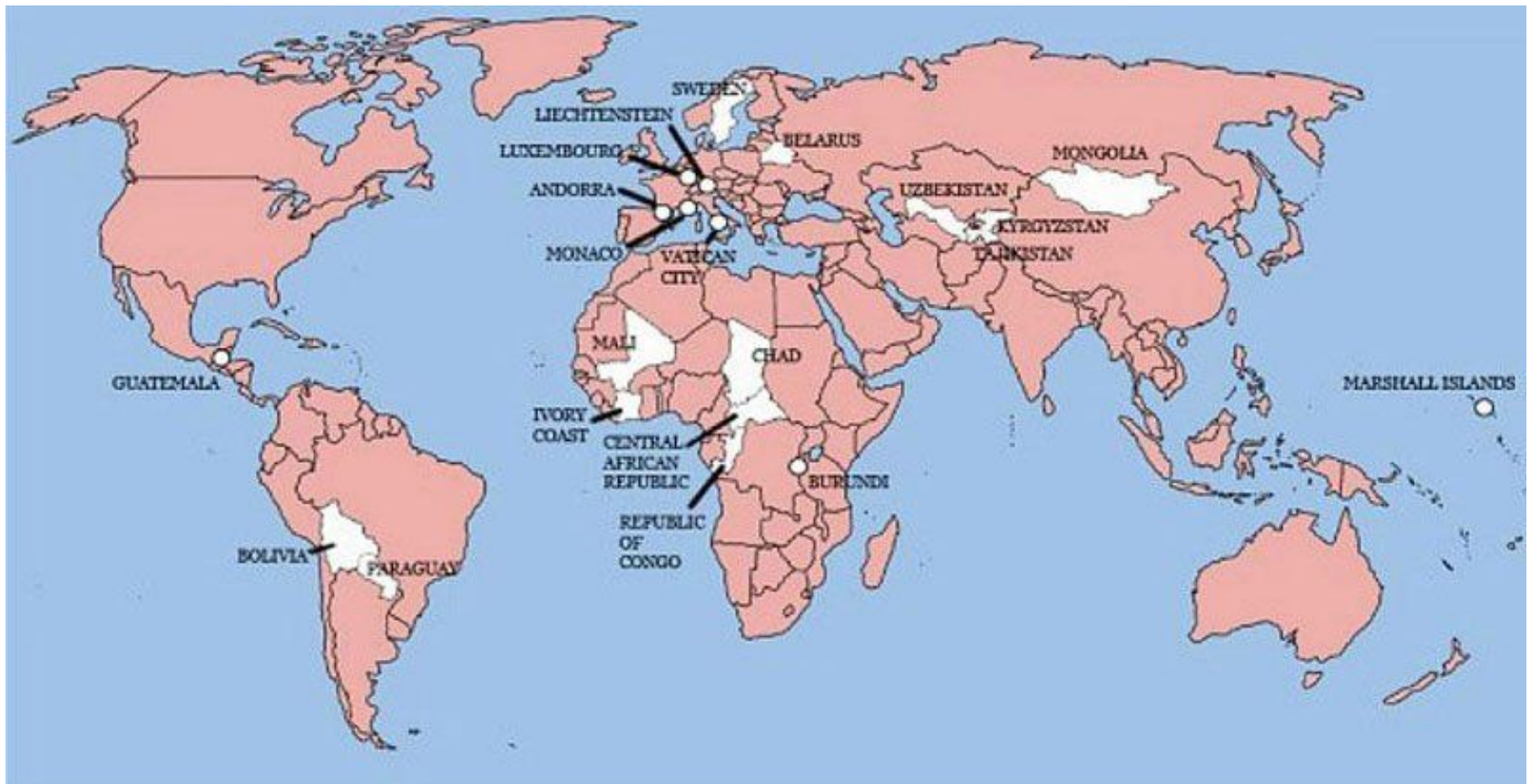
2 big questions for geography...

Why there and **why care?**

... write your own definition for what these questions mean to you.



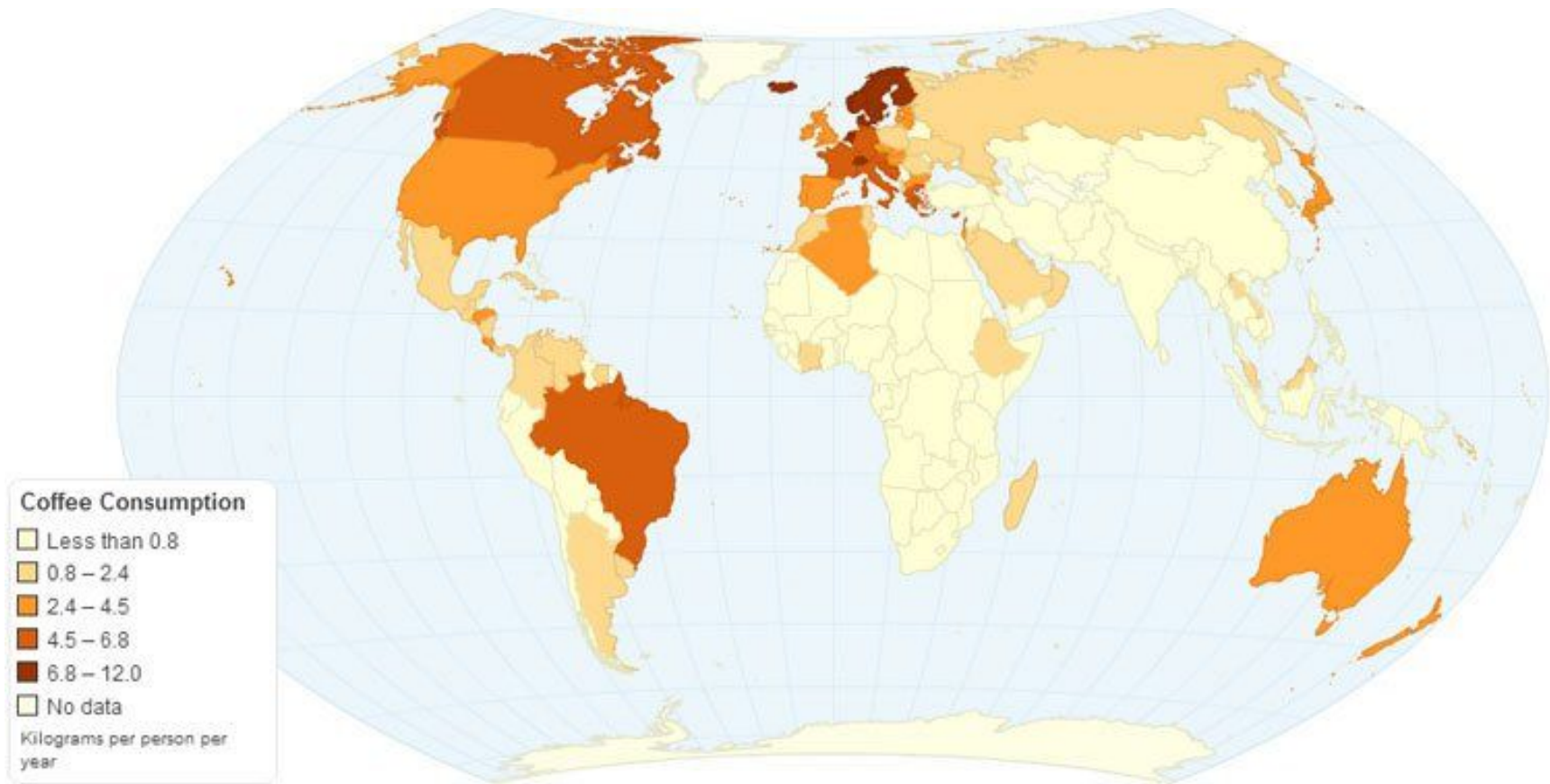
What is this map depicting?



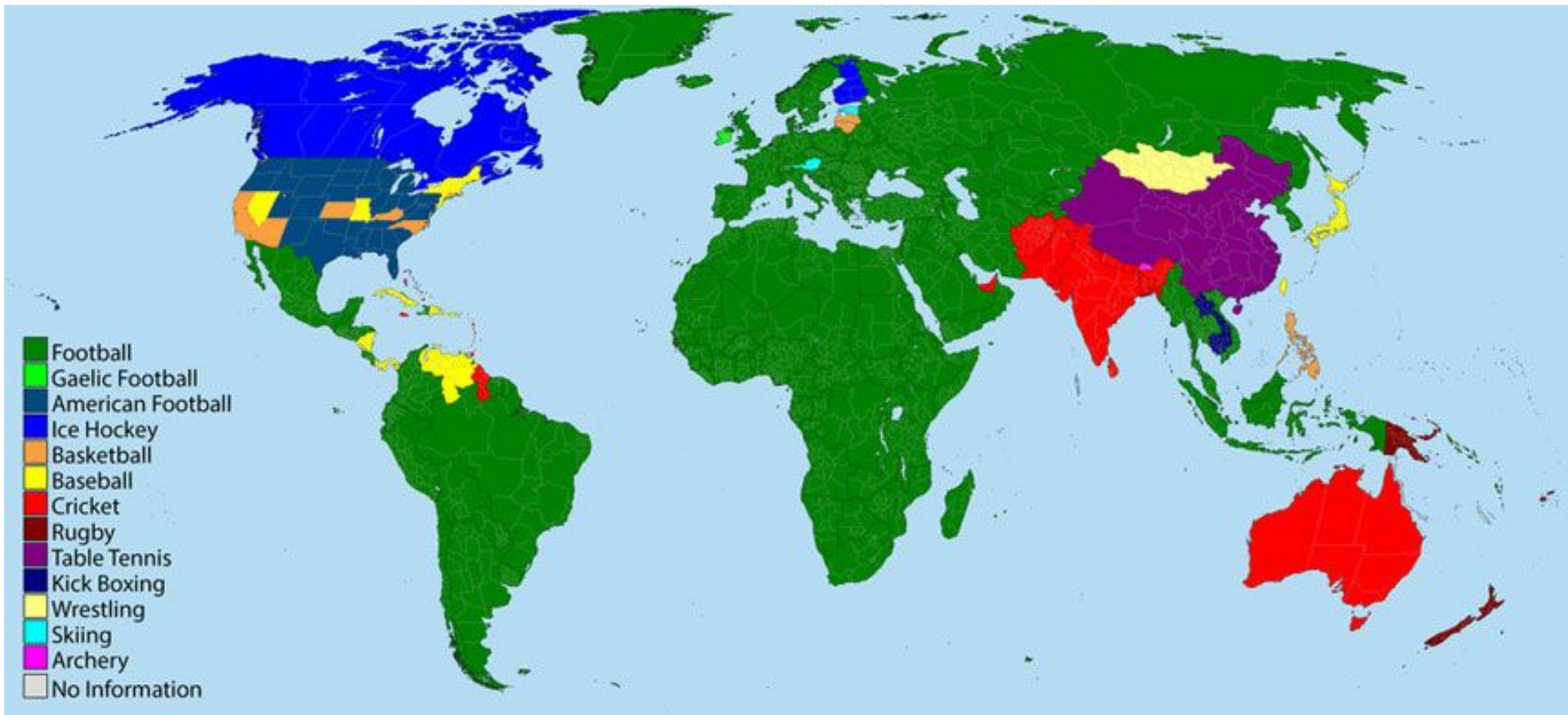
Only **22** countries exist that Great Britain has not invaded. Out of 196. Think: How is seeing this map different from just reading the statement above? How can maps affect the way we feel?



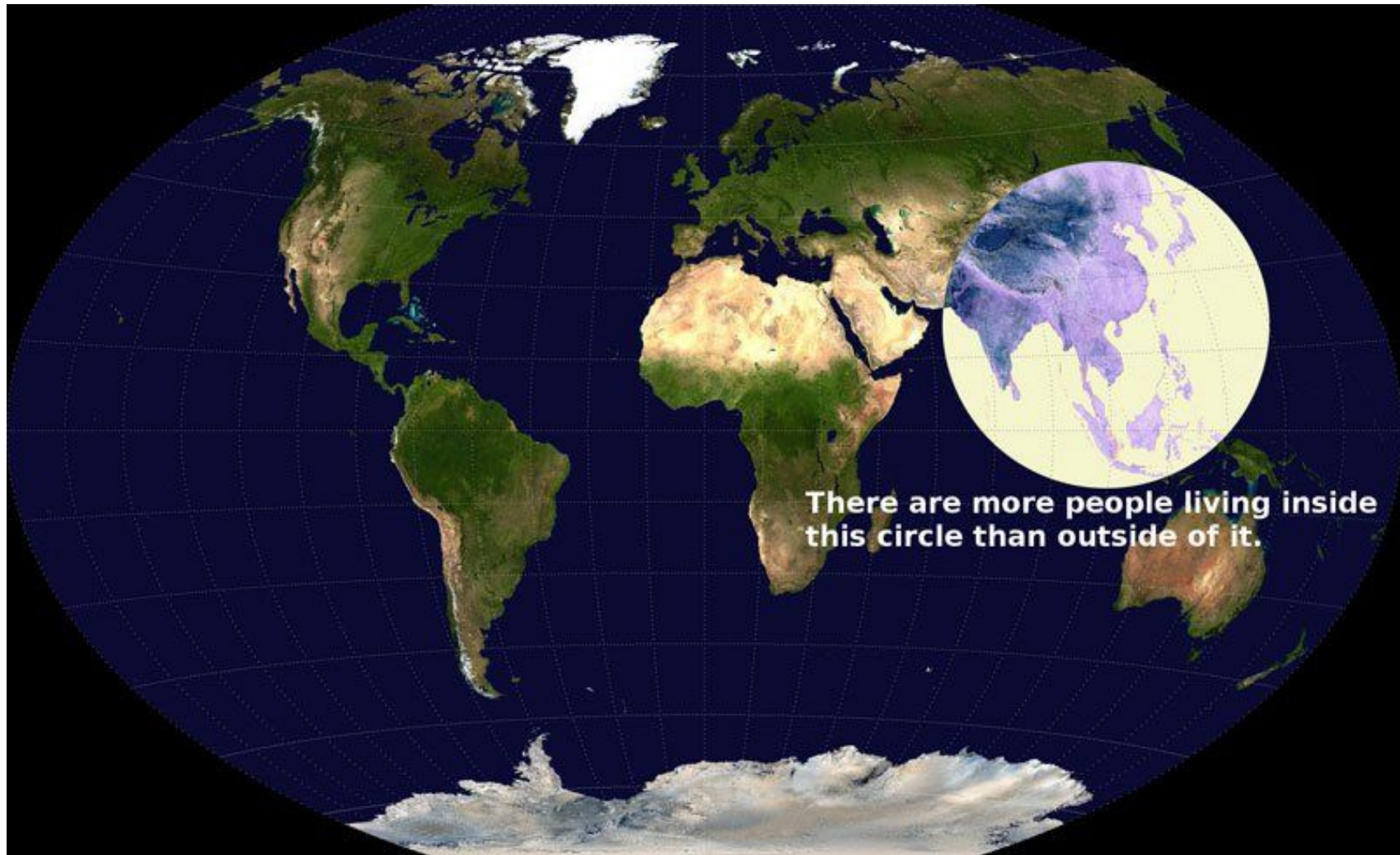
What do you think these countries have in common?



COFFEE COFFEE COFFEE



What is the most popular sport worldwide? What is the most popular in China?



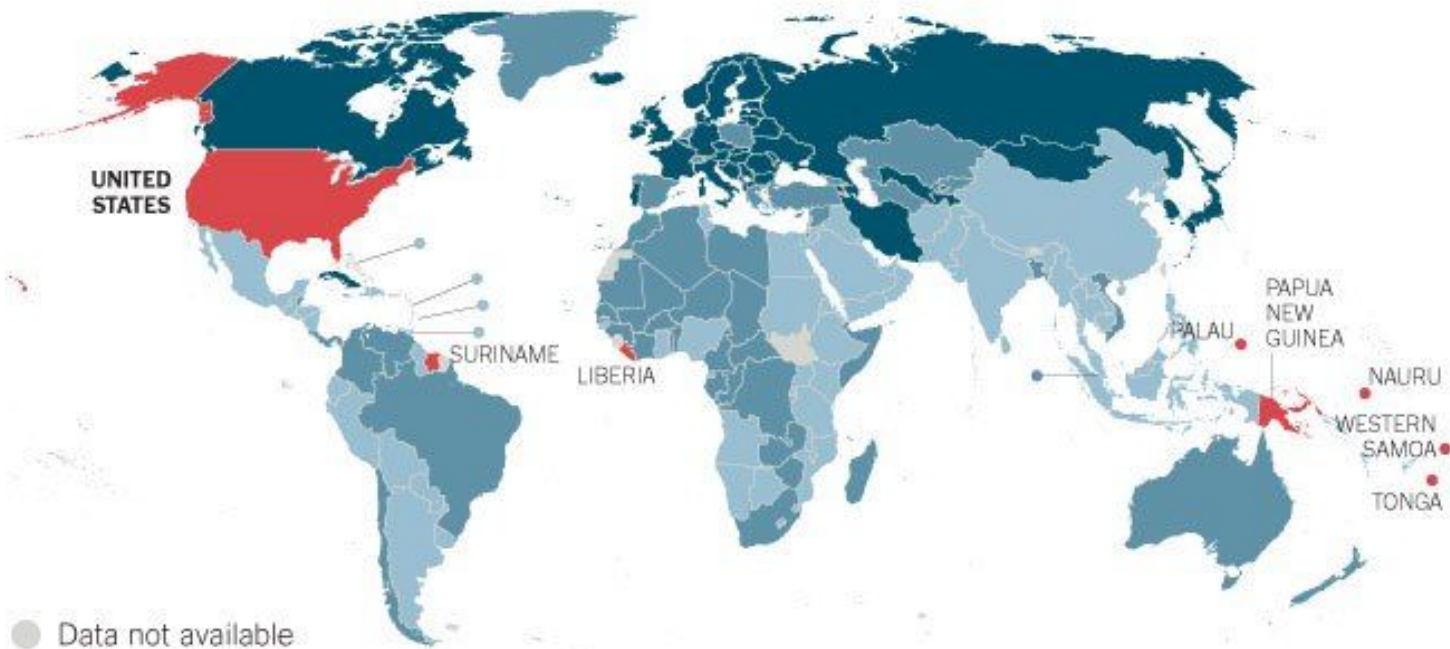
**There are more people living inside
this circle than outside of it.**

Paid Maternal Leave: Almost Everywhere

The United States is one of only eight countries, out of 188 that have known policies, without paid leave.

Countries with paid leave: ● 26 weeks or more ● 14-25 weeks ● Less than 14 weeks

No paid leave: ●

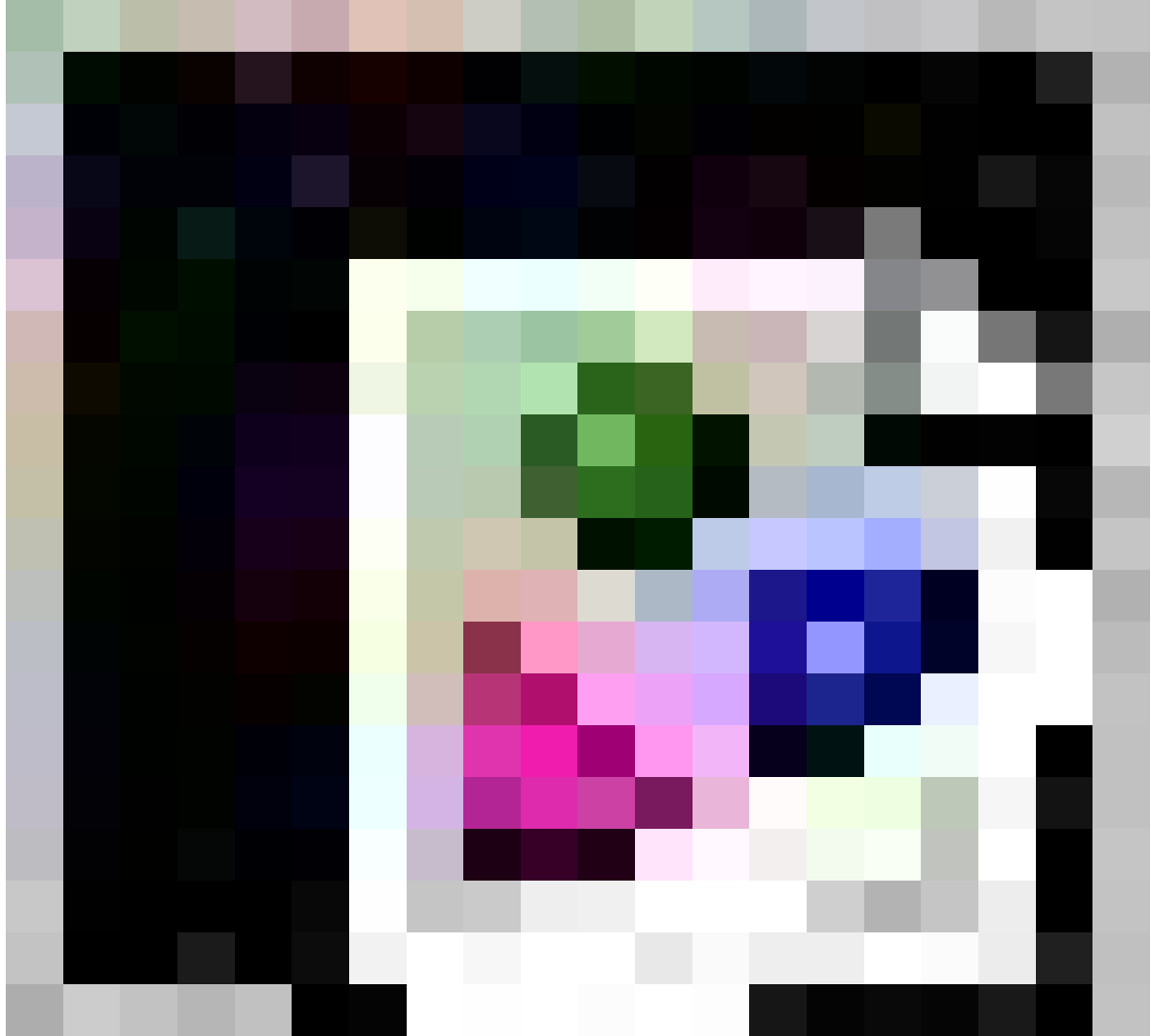


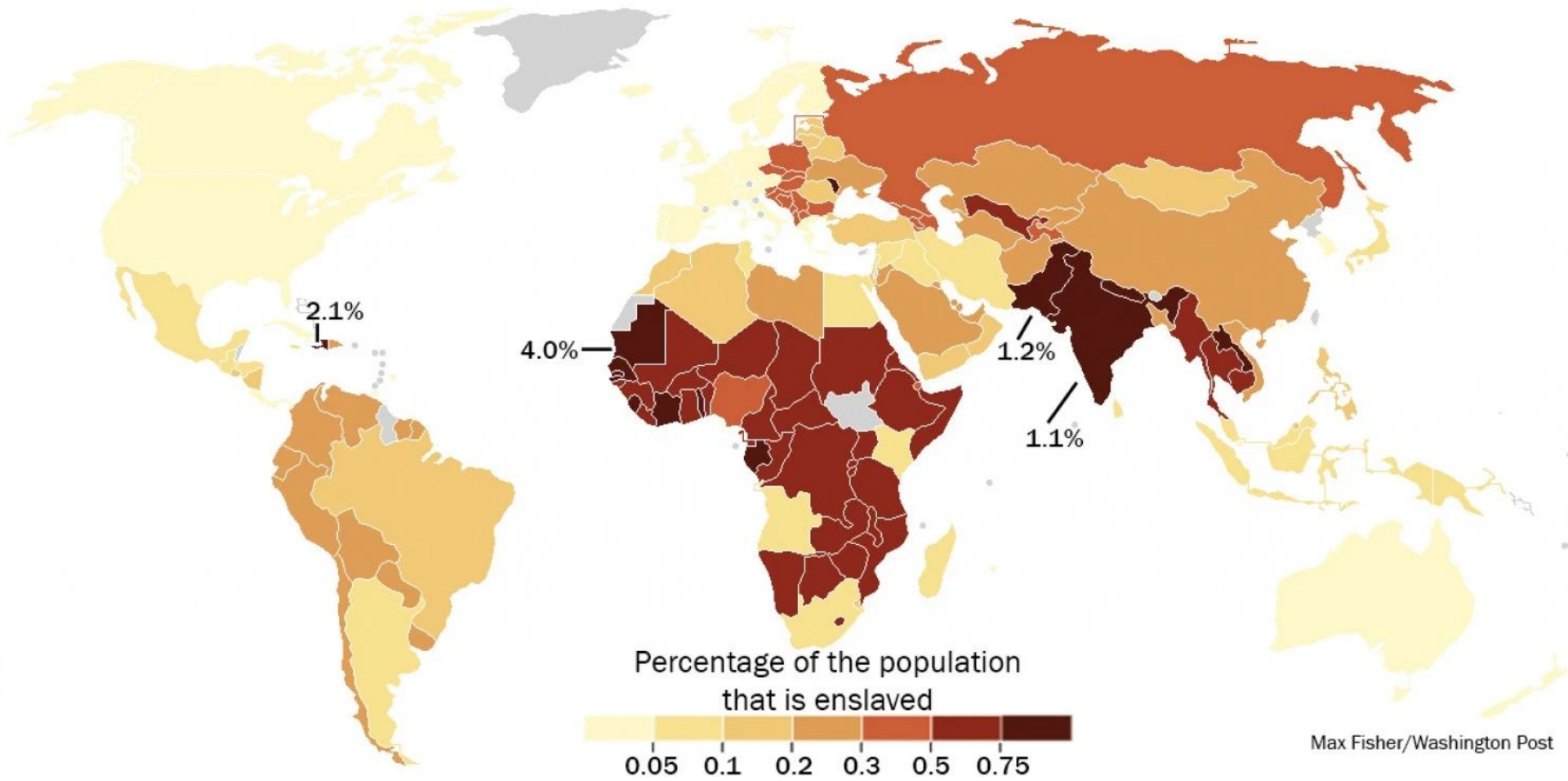
Surprised?



What do you want to be when you grow up?

What do you
think this map
represents?



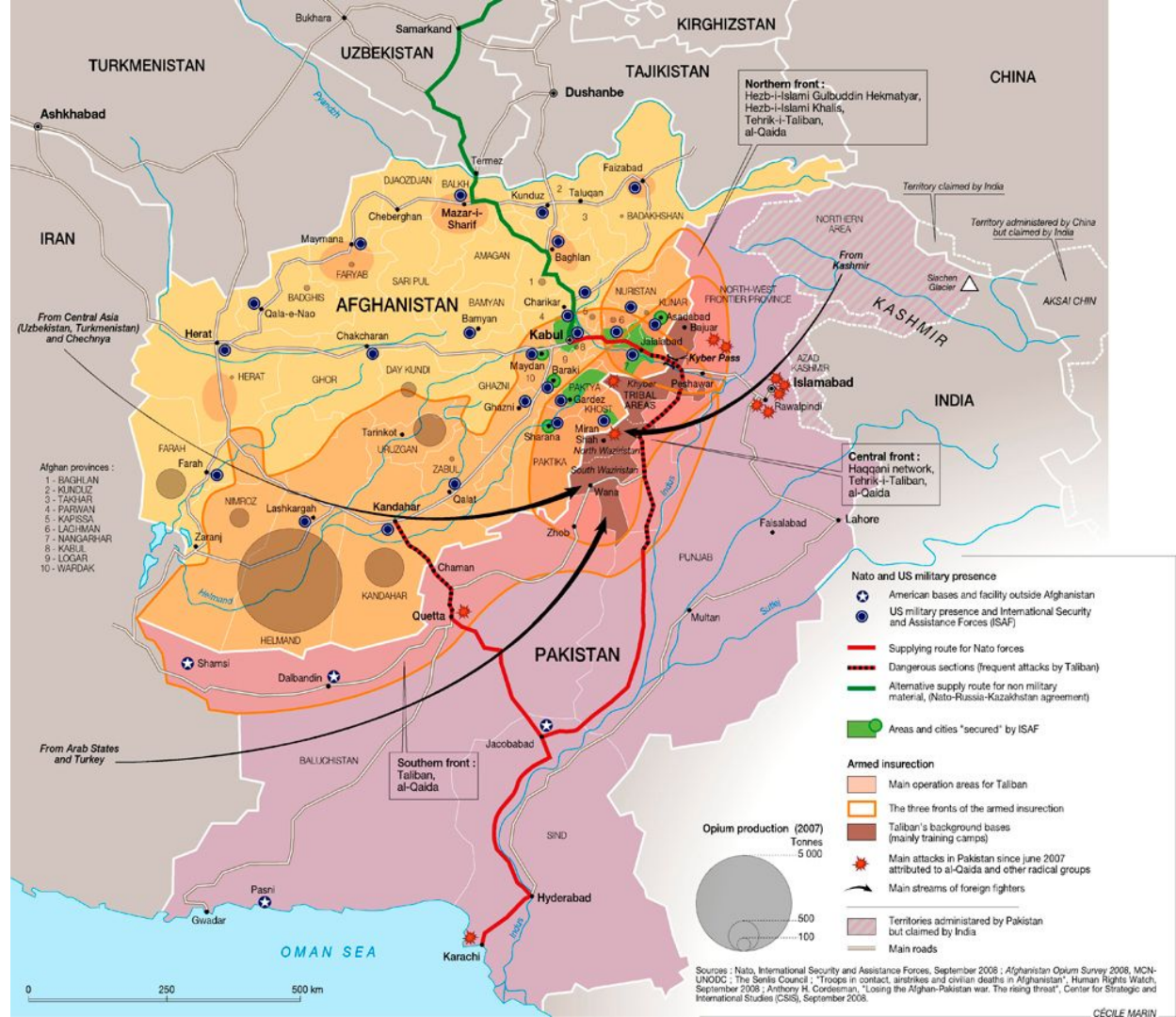


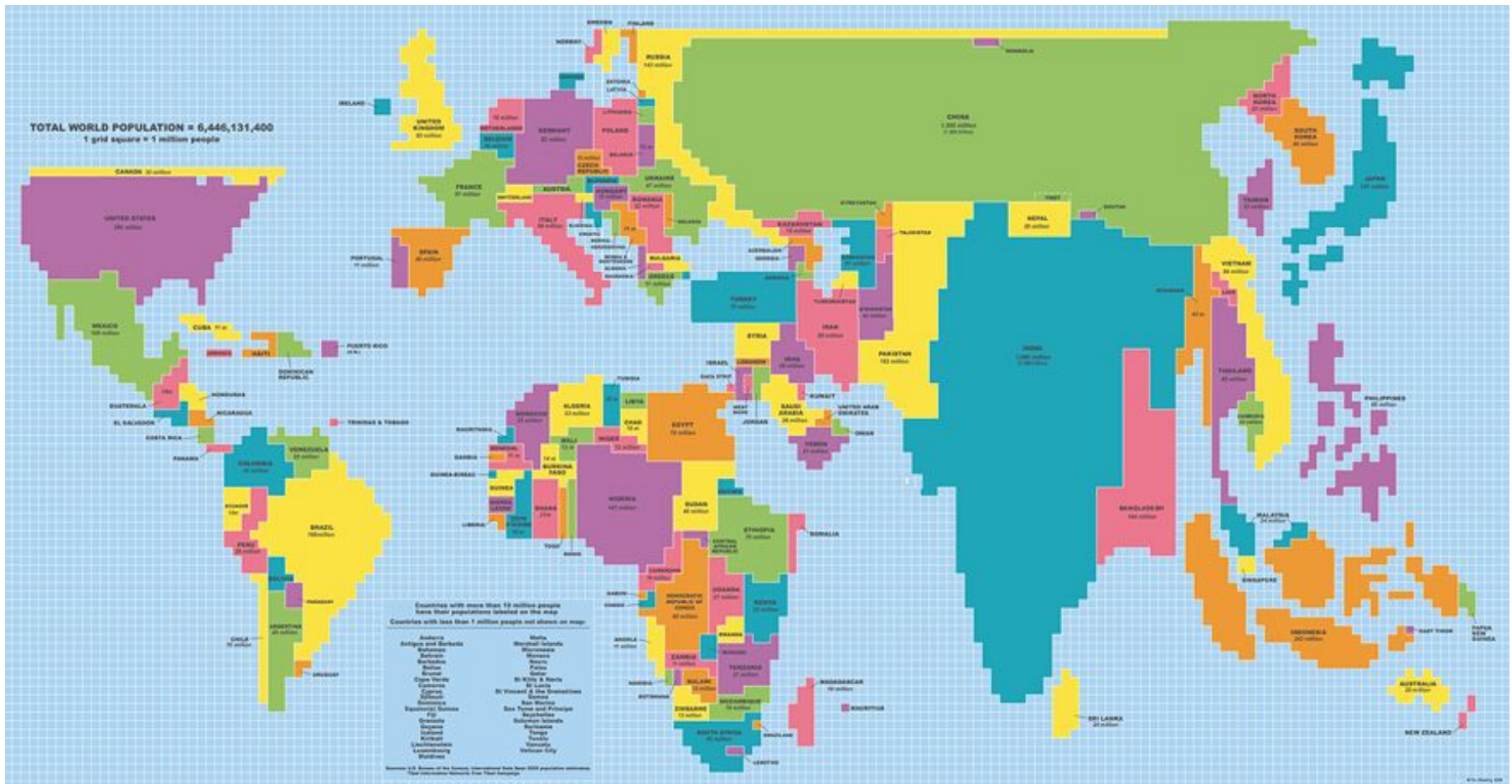
Wait, I thought slavery was over?

Mapping an Event- The war in Afghanistan

How do we begin
to take graphics
like this apart?

How can mapping
an event be
helpful?





CARTOGRAM! I LOVE THESE THINGS! Who can figure this out?



Facebook

Map of Global Facebook Connections. Is Facebook still cool?

173 pro-confederate flag rallies, with nearly 23,000 attendees, have been held since the Charleston church shooting. The rally locations are mapped below. Circles are sized by estimated number of attendees.



How can maps predict trends?

Main types of maps:

Political: show state and national boundaries and capital and major cities. A capital city is usually marked with a star within a circle.

Physical: illustrate the physical features of an area, such as the mountains, rivers and lakes. The water is usually shown in blue. Different colors are used to show relief —differences in land elevations.

Thematic: A thematic map is a type of map designed to show a single theme connected with a specific geographic area. Examples?

- Climate maps

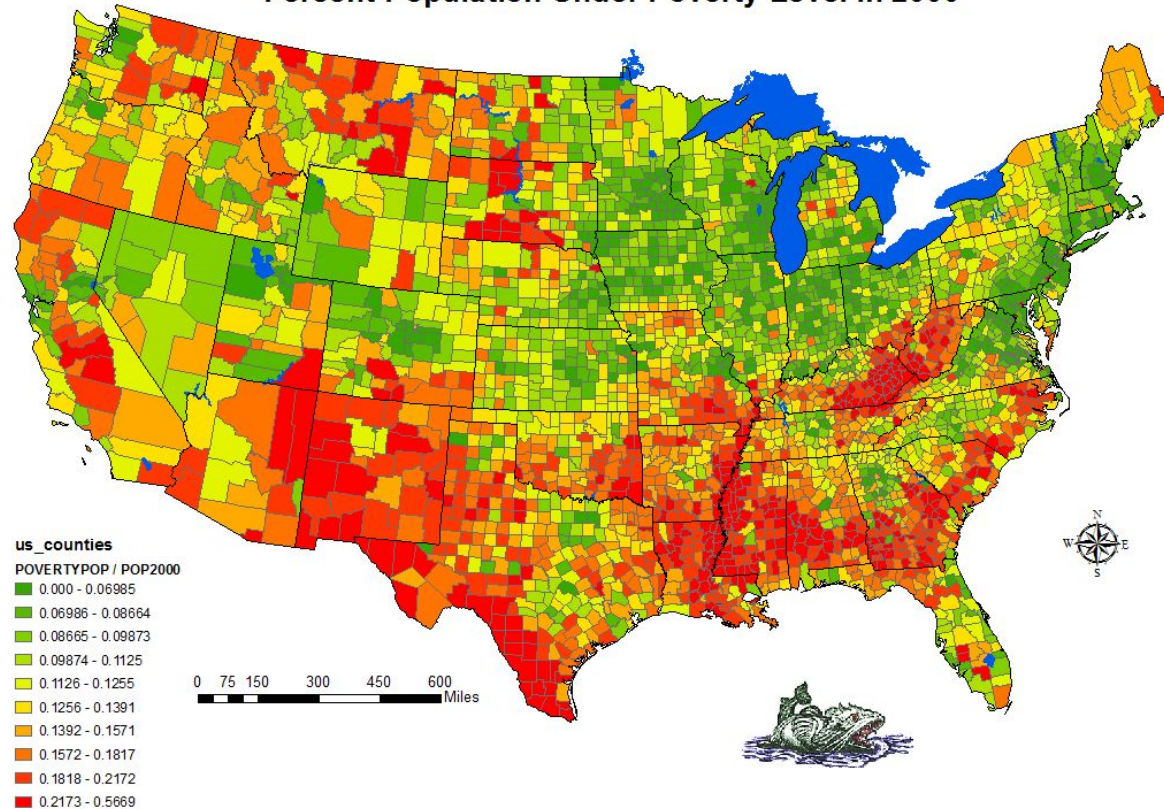
-Economic maps

-Population maps

-Vegetation

Pop Quiz! What type of map?

Percent Population Under Poverty Level in 2000







AUSTRALIA

MAJOR TOURIST DESTINATIONS



0 500 Kilometers
0 250 500 International Miles

So, to review

What type of map would I need to see...

- 1) where deserts are located in Asia?
- 2) the different climate zones across the world?
- 3) the percentage of iPhones in Kenya?
- 4) the capital cities of countries in Central Asia?
- 5) boundaries between the Canadian provinces (states)?
- 6) mountain **elevations** in Chile and Peru?
- 7) goat populations in Texas?

Map Vocabulary!

Map Scale: an element of a map that shows how a unit of distance on the map (such as an inch) relates to actual distance on the surface of Earth

MAP Legend: a box or other display on a map that explains the meaning of the symbols used on the map

Compass Rose: a diagram on a map that shows directions such as north, south, east, and west

Absolute location: the precise point where a place is located on earth

Longitude: vertical lines, degrees East & West

Map Vocabulary!

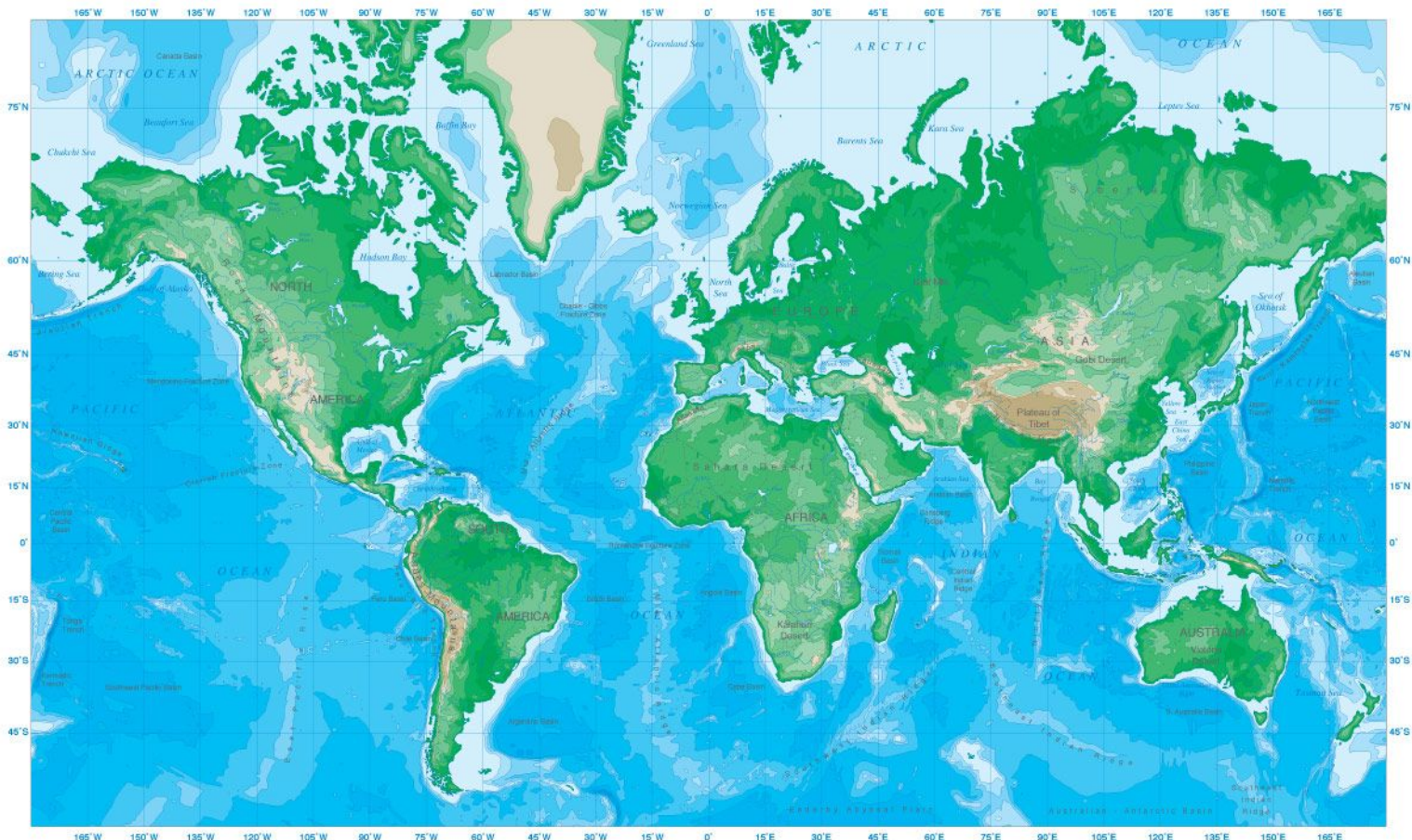
Latitude: horizontal lines, degrees North & South

Equator: an imaginary line on the Earth's surface equidistant from the North Pole and South Pole, dividing the Earth into the Northern Hemisphere and Southern Hemisphere.

Prime Meridian: the meridian of longitude labeled 0 degrees, from which all other degrees of longitude are measured. The prime meridian passes through Greenwich, England

Hemisphere: one half of a sphere. Earth can be divided into eastern and western hemispheres or into northern and southern hemispheres.

**This is called the Mercator Projection. You've all seen this.
This is what the world looks like, right?**



The Mercator Projection is a lie!

Map Projection: an attempt to portray the earth on a flat surface. Projections become **distorted** because the earth is a sphere.

West Wing:

<https://www.youtube.com/watch?v=vVX-PrBRtTY>

Actual Place Sizes:

https://www.youtube.com/watch?v=KUF_Ckv8HbE

Think/Pair/Share

- 1) Why would 15th century map makers want to make Europe look so big?
- 2) Come up with a definition for social equality.
- 3) What does map drawing have to do with social equality?
Why did the **cartographers** (map makers) draw this connection in the West Wing?

LOCATION

Absolute

vs.

Relative

Absolute location is the exact spot on the Earth where something is, marked by latitude and longitude.

Relative location is the location of something in comparison to the location of something else. For example, if I said, "My house is near the school," that's a **relative location**.



Describe the relative location of Anderson High School.

Homework: Making a mental map!

Be a cartographer! Make a mental map of your home and surrounding neighborhood using your knowledge of **relative** location.

- Title your map
- Create a key for symbols
- Label places that are important to you
- Label the streets and other major landmarks
- On the back, neatly write out the 'mental' directions you take to get to school. Remember- this can be relative, it does not need to be precise!

(Use googlemaps to help you find things if you're clueless!)



Example of how I would give directions using relative location:

'In the mornings I drive myself to school. I pull out of my driveway and go down Robert Martinez St. I then take a right onto Cesar Chavez and drive alllllllll the way through downtown. Whenever I pass by Juan in a Million it's hard not to stop for a taco. I get to look at all the gigantic, expensive buildings that are going up once I cross 35. Town Lake is on my left side as I'm driving. I get onto Mopac which is awful, but I finally exit towards Steck Ave.'

