Visit Charleston, the South Carolina port city synonymous with boat access! Worried about finding a place to access Charleston’s gorgeous waterways with your large, beautiful boat? Worry no more! There’s boat ramps all over!

Sources: catalog.data.gov
City of Charleston Open Data (www.data-charleston-sc.opendata.arcgis.com)
South Carolina Department of Transportation (www.scdot.org)
South Carolina Department of Natural Resources (www.dnr.sc.gov)
Projection: NAD 1983 State Plane South Carolina FIPS 3900 Feet

Map by Len Berg
24 April 2017
Alaska is home to 8 of the 59 US National Parks, including the Gates of the Arctic, Glacier Bay, Kenai Fjords, and others. The largest of these parks, and the largest National Park in the United States, is Wrangell-St. Elias, which is over 8 million acres of protected land.
Map of Japan

Legend
- Major Cities
- Capital
- Japan Prefectures
- High Speed Railways
- Capital Highways
- Tokyo City Limit

Data Source:
Japan Ministry of Land, Infrastructure and Transport
[http://nlftp.mlit.go.jp/ksj/index.html]
Thematicmapping.org

Map by: Zhongduo Zhang
Number of Datasets: 8
The Maoist Insurgency or colloquially known as 'Naxalites' of Northeast India has been an enduring barrier to stability in the larger unstable region of the country. The Regional District of Jharkhand, in particular, has been plagued by insurgent activity into the recent decades. Despite this, voting institutions remains robust, and the high distribution of voting booths in the Parliamentary voting sub-districts of Jharkhand, irrespective of frequency of Naxalite attack, is evidence of this.
Atlanta is broken up into 25 Neighborhood Planning Units, or NPU's for short, each of which is labeled with a letter of the alphabet and is made up off anywhere from 2 to 20 neighborhoods. 15 NPU's are intersected by the Atlanta Beltline and within them over 45 neighborhoods are intersected. The Beltline consists of 33 miles of multi-use trails and 2,000 acres of parks. One of the main uses of the Beltline is for biking, both recreationally and for transportation. Through this, the biking trails and bike share network has increased greatly in the neighborhoods surrounding the Beltline.
This map displays an overview of the parks in Florida which are over 1000 acres total. There are 65 total parks in the state which fall under this category. Other than these parks, also shown in the map are the county boundaries, major cities and major rivers in Florida.

Data Sources:
- River Data: Florida Department of Environmental Protection
- Parks Data: University of Florida GeoPlan Center
- States Data: ArcGis Online
- Continents Data: ArcGis Online
- City Data: ArcGis Online
- County Data: United States Census Bureau
- Lakes in U.S. Data: ArcGis Online
The Great Smoky Mountains National Park is full of trails and campsites for any type of hiking. For those looking for less public campsites, there are several backcountry campsites available both by hiking and by horseback. In the top map, the backcountry campsites that are available only by hiking are shown. Additionally, the hiker only trails are displayed. Many of the campsites can be reached by these trails, but there are a few that cannot and require straying from the paths. In the bottom map, campsites that can be reached by horseback are shown, along with the horse trails. Whether you're traveling by foot or by horse, there are plenty of places to explore in the Great Smoky Mountains!
This map is a depiction of the lands owned and operated by the Department of Defense. During the time that the United States has been a national superpower, the U.S. military has needed places to train and deploy troops, equipment, and information. The state of Georgia is no exception to these needs. Georgia offers a wide range of applicable training facilities that allow our nation's military forces to operate, train, hold equipment, and gather intel. The main training facilities that are used by the Department of Defense are in the southeastern part of the state. Fort Stewart and the Townsend Bombing Range. These two facilities are a very integral part of the culture in south Georgia. Both have been in established since the early 1940s and have strived to produce the most capable soldiers to our nation's military forces.

These parcels of land are well over 1,000,000 square feet in size. This amount of space is critical to ensure the safety of both the soldiers inside the facility and the citizens outside the facility. Both of these parcels of land are heavily guarded by 24/7 security detail around the entirety of the property. Electric fences are places around the perimeter to add another layer of security.

Georgia has many more properties that are used for the same purposes throughout the state, but these two happen to be the most well known and used.
Zion National Park is dominated by sandstone rock layers. The Kolob Canyons and Zion Canyon are two of the top attractions at the park and both are in heavy sandstone areas. Shale layers can be found at the southwest corner and the limestone layers can be found in the northeastern corner of the park, both are near bodies of water. The shale layers also have some chinle and moenkopi formations while the limestone contains kaibab, moenkopi, and carmel formations.

Vegetation can be found throughout Zion National Park, as indicated by the pale yellow along with the grey areas that are visible in the map. However most of this vegetation is low lying as the only closed canopy coverage is location near the center of the park and towards northeast corner.
Visiting Kauai

Kauai is Hawaii’s fourth largest island and is sometimes called the “Garden Isle”, which is an entirely accurate description. The oldest and northernmost island in the Hawaiian chain is draped in emerald valleys, sharp mountain spires and jagged cliffs, aged by time and the elements. Centuries of growth have formed tropical rainforests, forking rivers and cascading waterfalls. Some parts of Kauai are only accessible by sea or air, revealing views beyond your imagination.

All data for this map is from State of Hawaii, Office of Planning.

Legend
- State Roads
- Major Hotels
- Farmer's Markets
- Major Waterfalls
- Parks

Map by: Megan Gottschalk
MARTA - the Metropolitan Atlanta Rapid Transit Authority - services the Atlanta area with rail lines, bus routes, and a downtown street car. MARTA has received much criticism for its relatively small extent, as it is less useful to commuters. A comparison of MARTA's rail lines' reach to the areas indicated as Tax Allocation Districts shows that the system does not reach many of the denoted areas. Tax Allocation Districts are areas given government incentives for opening of businesses, therefore providing more work opportunities for Atlantans. (Atlanta Department of Planning and Community Development GIS)
This map shows cities with teams represented in Major League Baseball (MLB). Satellite images of active stadiums I have visited are shown below. There are 28 cities in the MLB that represent 30 teams. Two cities, New York and Chicago, have two teams. The newest MLB cities are Phoenix and Tampa.
Probable or Definite Past Tsunami Events in the United States from 1700 - 2015

Tsunamis are a byproduct of earthquakes, which is why they tend to occur near plate boundaries. This is why we see more of the tsunami events located off the coasts of California, Alaska, Puerto Rico, and Hawaii.

Sources: www.census.gov/geo/maps-data/data, hifld-dhs-gii.opendata.arcgis.com, opendata.arcgis.com
Georgia has over 180 different college locations across the state but only has seven division one colleges. As you can see from the map over half of them are located in the northern portion of the state. Three of them are located in the Atlanta area. To be division I a school must have at least seven sports for men and seven for women. Each season has to be represented by each gender too. There are many other rules set forth for each team but these are the main rules for the schools.

Works Cited
The colleges data set was taken from USGS 'sciencebase.gov'.
My states data set was retrieved from the United States Census Bureau 'www.census.gov'.
The expressways and counties data set were both taken from data.gov 'catalog.data.gov'.
Georgia is a state in the southeastern United States. It was established in 1733, the last of the original Thirteen Colonies. Atlanta is the state’s capital, its most populous city and has been named a global city. It has the most population of all cities in Georgia. Columbus is the second largest city in Georgia. It is located on the west border of Georgia. Savannah is the third largest city in Georgia, it’s located in the east coast of Georgia. Savannah’s borders are entangled with Chatham county.
**Why Phoenix Is More Than Desert**

Yes, Phoenix is in the middle of Arizona, which we tend to associate with dry, hot climate and barren vegetation. However being the capitol, it has grown into a city that supports human life and activity in a fulfilling way. This map shows some indicators of this development: green-space, bikeways, and recreational centers.

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**Legend**
- Parks selection
- Recreation Centers
- Parks
- Interstates
- Bikeways
- City Limit

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**Encanto Park** is greenspace that includes, but is not limited to, a pool, golfcourse, lake, a tennis and basketball court. It creates a space that promotes community involvement and push cultural experiences.

**Arizona**
Here one can see that Arizona is a Level 3 EcoRegion, which is defined by its species and environmental conditions.

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Number 15 for most bike friendly cities, Phoenix has found a way to provide alternative transportation solutions for citizens with its intricate bikeway system.

Sources: Esri, USGS, NOAA
Voting Districts and Polling Places in Atlanta Neighborhoods

To be eligible to vote in Georgia you must be:
- A citizen of the United States
- A legal resident of Georgia and of the county in which you wish to vote
- At least 18 years of age by Election Day
- Not serving any sentence imposed by the conviction of a felony
- Not judicially determined to be mentally incompetent
- If you are registering for the first time, or if you have moved to a new address, the deadline for registering is 30 days before the election.

To learn more about the candidates and where to vote, visit the League of Women Voters Guide to 2016 Elections on ajc.com
Whether you are looking to go for a scenic drive to a picturesque lake or trying to get out of town and fly somewhere exotic, Gwinnett County truly has it all. With many roads, numerous lakes and three airports, this county is very easy to enter and leave by boat, plane, or car.

Map by Kyle Norton
April 24 2017
Sources:
- US Census Bureau (https://www.census.gov/geo/maps-data/data/cbf/cbf_state.html)
At the junction of major interstates I-75 and I-85, Atlanta is a popular city for commuters living in the suburbs outside the perimeter. Alternate transportation options are increasingly in demand for those who wish to avoid traffic, save money, or reduce their environmental footprint. MARTA is the primary mass transportation system in the Atlanta metropolitan area; this map depicts the heavy rail rapid transit system and its stops. In 2014, Atlanta public transit gained a streetcar system with service along the Downtown Loop. In addition to public transportation, bicycles are a common form of transportation, with numerous bicycle routes located throughout the city.
Washington State Road Trip Guide: Take the scenic routes, the extra time is worth it

Some say that the most beautiful area to drive in Washington is along the coast. With 157 miles of coastline, this is a great opportunity to take advantage of the scenic routes on the state roads that follow Olympic all the way down to Lewis and Clark National Park. Make sure you pay attention to the fuel stations though, they are few and far between. If you are not satisfied with the Washington coast, you can head down State Road 101 down the scenic route over the Columbia River into Oregon. If you do, you will get to pass over Astoria Bridge which is pictured below.

The Pacific Northwest contains some of the prettiest drives in the United States, make sure you look out for the blue scenic routes!

This map will lead you off the beaten path into State Roads and Scenic Highways that keep you out of traffic and lead you straight into Washington’s premier National Parks, like Olympic National Park, which is pictured on the three pictures to the right.
A Special Journey for a Parent and Her Daughter

The Story of How Lacrosse Leads to an Eating Adventure

Lacrosse is a sport that became a big part of what we did as a family—all year long. It began in Decatur, GA (Right Upper Map) when my daughter (Kate) was in 6th grade.

Her skills and passion developed in the parks highlighted in this map. (The inset map shows all of the Georgia counties we visited or she had lacrosse games over the course of the 6 years she played during both middle school and high school (yellow highlighted counties).)

My daughter’s passion for lacrosse (midfielder position) grew with every game, every season, and tournament.

Through lacrosse and her performing well academically throughout high school, Kate was one of Pomona’s top recruit for their Women’s Lacrosse Team, entering class 2017.

This liberal arts school is ideally suited for her because it will provide her a new place to explore and discover what she wants to pursue as an adult, and also, a place to raise her game in the sport of lacrosse.

Details and interesting facts are shown in the outlined insets across the US map above. (As a family, we thoroughly enjoy trying new and interesting food and pride ourselves as ‘closet foodies.’ We are looking forward to this ‘Food Adventure!’

References & Data Source: https://www.pomona.edu/about/
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https://www.google.com/earth/download/gep/agree.html
http://52.26.186.219/internships/useit/content/california-counties-shapefiles
https://www.census.gov/geo/maps-data/data/tiger.html
https://cdec.water.ca.gov/
https://www.nps.gov/gis/
References & Data Source: https://www.google.com/earth/download/gep/agree.html

Lacrosse States

Points of Interest: Decatur to Pomona

Decatur, GA
Yv Old Pancake Station, Amarillo TX
Pie Junkie, Oklahoma City, OK
Pantry Restaurant, Santa Fe NM
Trinity Central Park, Little Rock, AR
Ending Point: Claremont, CA

Starting Point: Decatur, GA (Where It All Began)

Ending Point: Claremont, CA
(Where Good Lacrosse, Great Outdoors, and Good Food Intersect)

Map by L. Immergluck (Spring 2017)

Pomona College

Uncle John and Uncle Michael, Las Vegas NV

Las Vegas NV

Pancake Restaurant

Las Vegas NV

Pantry Restaurant

Santa Fe NM

Chocolate Sack at Mt. Meenoch Parkside

Little Rock, AR

Decatur, GA

Ye Old Pancake Station

Samosilla TX

The Story of How Lacrosse Leads to an Eating Adventure

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References & Data Source: https://www.google.com/earth/download/gep/agree.html

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Map by L. Immergluck (Spring 2017)
The City of Atlanta has been divided into its listed neighborhoods. The higher education institutes of Atlanta are present on this map. If a neighborhood contains a higher education institution, then it has been identified. 14 of 102 Atlanta neighborhoods contain higher level education. This map was made in order to show the ease of access to higher level education institutions in Atlanta through major road ways and by living in specific neighborhoods. Atlanta is a hub for innovative thinking and higher level education, and many students from surrounding suburbs utilize the Atlanta roadways in order to commute to classes every day. Many of the institutions on this map are apart of the Atlanta Regional Council for Higher Education, which allows for cross sharing of information between many of these schools. This map uses data from the Research & Analytics Division of the Atlanta Regional Commission and is composed of any type of Post Secondary Education such as: colleges, universities, technical schools, trade schools, business schools, satellite campuses, etc. that grant First Professional, Associate, Bachelors, Masters, or Doctoral degrees. Road data was used from the Georgia Department of Transportation’s (GDOT) DLGF street centerline database. Neighborhood data is from the Atlanta Regional Commission to represent the neighborhood statistical areas for the city of Atlanta as of 2010.

Map Legend

- Higher Education Institutions
- Major Roads
- Atlanta Neighborhoods With Higher Level Education
- Atlanta Neighborhoods
About ICBMs:
An intercontinental ballistic missile (ICBM) is a missile with a range in excess of 5500 Kilometers. In the United States ICBMs form one leg of the three legged nuclear triad (the other two legs being nuclear bomb dropping planes and submarine launched ballistic missiles). In the past 60 years the United States has spent enormous sums of money developing, fielding, and maintaining an arsenal of these missiles that at its peak numbered over 1000. Mainly deployed in silos throughout the western United States this map shows the location of the Air Force bases at which these missiles have been deployed throughout history, the basic specifications of these missiles, as well as a brief timeline of their history.

ICBMs of the United States:
- Atlas: 10500 km range, 1.44-4 megaton warhead.
- Titan: 10100 - 14500 km range, 4-9 megaton warhead
- Minuteman: 10100 - 14000 km range, 1-3, 3.1-1.3 megaton warheads
- Peacekeeper: 14000 km range, 10-12.3 megaton warheads

History of US ICBMs:
- 1959: First Atlas missiles go on alert at Vandenberg AFB. These first missiles are deployed on basic vertical gantries that more often associated with civilian launchers.
- 1960: The first Minuteman I goes on alert during the height of the Cuban Missile Crisis. Because it is a solid fuel missile the Minuteman is cheaper to build, store, and maintain. They also do not have to be in close proximity to their controllers, therefore the Minuteman becomes the backbone of America's ground based deterrent. At their peak 1000 Minuteman missiles are deployed in Silos across the United States.
- 1969-66: The last Atlas and Atlas F missiles go on alert in more traditional Silos. However due to the costs and lack of space to maintain these liquid fuel missiles they are never deployed in large numbers.
- 1974: The last Minuteman I missiles are taken off alert and replaced with Minuteman II and III.
- 1980: The first Minuteman III goes on alert. Boasting an increased range but also three separate warheads (also known as MIRV/multiple independent re-entry vehicles). These warheads are capable of striking three separate targets.
- 1986: Due to its advanced age and a number of accidents, the last of the Titan II missiles are taken off alert. Additionally the Peacekeeper missiles are deployed at F.E. Warren AFB. Only 56 are ever deployed but each missile has room for 12 warheads, each capable of striking separate targets.
- 2005: The last Peacekeeper missiles are taken off alert for a variety of reasons. This makes the Minuteman III the only land based ICBM in the American arsenal.
- 2017: 450 Minuteman III missiles are deployed at three Air Force bases in the Western United States (Malmstrom, F.E. Warren, and Minot). The continue to serve as America’s deterrent, there are currently programs to maintain the missiles as well as look into modernizing them for the 21st century.


The information for this project came from a variety of places. The main source is "To Defend and Deter" produced by the DoD Legacy Resource Management program. Other information regarding the US ICBM arsenal since 1996 was taken from minutemanmissile.com, Nuclear U.S. and Soviet/Russian Intercontinental Ballistic Missiles, 1959-2008 published by the bulletin of Atomic scientists, and "To Reach the High Frontier" by Launius and Jenkins.
The Four Corners- An Area Well-Connected and Geographically Diverse

Together, the states of Arizona, New Mexico, Utah and Colorado are traditionally referred to as the Four Corners Region of the country, as the four states’ borders meet at a quadripoint, and walking in any particular direction could have you enter the other state. A monument is at this quadripoint (pictured left) and the area surrounding the border is highly rural but also a vibrant center for the Navajo peoples. Their capital is located here. The four states are all geographically diverse and are all becoming more populous as people become interested in moving west to experience a new lifestyle in younger cities but closer to amenities and outdoor activities that many millennials seek out. It could be expected for this to stay a notable area of the country, if not just for the novelty, for as far as we can see into the future.
Major cities are considered cities having a 2007 population larger than 50,000 people on the large map. Major roads are considered to be interstates, freeways, and arterials. Beach access points are to public beaches only. The memorials and monuments are national places of interest. Artificial reefs and marina reefs composed of concrete, limestone, rock, and/or metal. The flags from left to right then top to bottom represent the state of Florida, the city of Jacksonville, the city of St. Petersburg, and the city of Miami.