In 2012, the United States raised $17,605,937,000 on cigarettes and other tobacco related products. During that year, for every 100,000 people in the U.S., there were 60.4 people who died from lung cancer. Each year, there are more than 200,000 new cases of lung cancer in America, and about 150,000 die each year from this disease.

This map shows the revenue each state raised normalized by its population, as well as the number of lung cancer deaths per 100,000 people.
Kashmir is a region that is at the center of a territorial dispute between India and Pakistan that has its roots in the 1947 partition of the Indian subcontinent. Aksai Chin is one of the two main disputed border areas between China and India, the other being a part of Arunachal Pradesh.
An energy crisis awaits us. As of last calculations only 8% of energy is currently supplied through renewable means. With depleting fossil fuels and climate change risks associated with their use, it is important to act environmentally sustainable.

This map aims to identify which states in the USA are energy sustainable currently and thus, for the future. By using both state energy consumption and renewable energy production information reported by the U.S. Energy Information Administration, an Energy Sustainability Index was created to categorize the sustainability of each state. Designed specifically for this map, the index takes into account whether states above/below the overall state consuming average and the overall renewable generating average. This formulates to give the index value, with the highest being the best. Readers can identify which states need to reapproach their energy consumption and renewable energy generation habits.

Energy Sustainability Index

- 0 - Poor Energy Sustainability
- 1 - Moderate Energy Sustainability
- 2 - High Energy Sustainability
The map shows the best place for a trucking company to locate a new distribution facility. The criteria was if the county contained a Intermodal Facility, Railline, US Army Corp Port, or US Army Corp navigable Waterway. For each criteria a county had the county was given one point. The counties were then ranked from 0 (worst) to 4 (Best). The shapefiles used to create this map were obtained from the 2015 National Transportation Atlas Database. (Counties, States, Ports(all), Intermodal, Waterways, and Raillines(not shown)) Raillines are not shown to give a clearer overall picture, but were used in ranking the counties.

Created by Tradd Dennis for Static Map 2 11/24/15
This map shows the land distribution of North Dakota. The different types of land use distribution show are the cities with a 2010 population over 2000 people, State Parks, National Parks, Railroads, Tribal Lands, and the counties of North Dakota. All Data was obtained from the NDGIS HUB. An example data page is given here https://apps.nd.gov/hubdataportal/srv/en/main.home.

Created by: Tradd Dennis
Date: October 7, 2015
Data Source: North Dakota GIS Hub
The map on the left is the total number of schools in each county. The map on the right is the total number of students enrolled in each county. The layer information for the county and the school was obtained from the Georgia GIS Clearinghouse.
The realm of politics and government throughout much of the world has been vastly dominated by men up till present times. However, recent history has seen a number of women entering the world of politics and holding high ranks of office. This maps presents a detailed view of the total number of women (by state) who have been elected to the Senate or to the Office of Governor throughout the history of the Unites States. The years that each map covers (beginning with the year that the first woman was elected to the designated office) are shown below each map. Each map also presents which states currently have women holding office as Governor or in the Senate. A final numeric comparison within each map shows of the total number of U.S. governors and senators in comparison to the number of women governors and senators currently in the office.

*All numbers and comparisons are for the continental United States of America.
Could you take MARTA to where you're going?

Find out at itsmarta.com!!
Have you ever wondered how many municipalities there are in each Brazilian state? Most of you are probably thinking..."No, I'm not even sure what that means". Well look no further. This map will show you how many municipalities there are in each Brazilian state. Just in case you are not sure what the Brazilian states are, there is a zoom-in-view map showing each Brazilian state. For those of you wondering what a municipality is, it is a city or town that has corporate status and is capable of self-government. This map uses different sized and colored circles to show the amount of municipalities in Brazilian states: the bigger the circle, the more municipalities.
From: CIA Factbook
Australia was claimed as a British colony in 1829, and became a commonwealth in 1901. They remain a commonwealth today.
India is the second most populated country in the world, falling second to its neighbor China. There are numerous cities in India that are extremely overpopulated, besides state capitals. There are 221 major cities in India, which excludes the capitals, towns and villages. In addition to all of the major cities in India, there are many significant buildings all throughout India. These significant buildings include banks, schools, train stations, courthouses, police stations, and temples. Most of these buildings are located near the state capitals, which makes sense because these are the more populated areas.
The real world locations of World Wonders in Sid Meyer's Civilization 5 based on their in-game locations. Also select the locations of city states that may come in handy during game play. This map may be used when playing a continental based map.

Sources:
| Nordpil.com | DivaGIS | Natural Earth | Map Cruzin | Sid Meyer's Civilization 5 wiki | ArcGIS

Map by Doyin Oladimeji
Yosemite National Park is located in the central eastern portion of the state of California. Yosemite was one of the first areas to come under protection of the federal government from development, paving the way for the future establishment of the national park system. Approximately 95% of the park is designated wilderness, with the majority of visitors spending their time in the Yosemite Valley. Formed by glaciers, the valley boasts gorgeous granite rock formations and waterfalls. The map to the right shows an overview of the entire park, including roads, rivers and lakes. Also noted on the map are four of the more notable sites in the Yosemite Valley, with pictures of each shown below for reference.

(1) El Capitan
(2) Bridalveil Falls
(3) Glacier Point
(4) Half Dome

Map by Emily Flood
October 7th, 2015

Base Map: ArcGIS Online (USA States (Generalized))
River data: ArcGIS Online (USA Detailed Streams)
The Roman Empire was among the most powerful economic, cultural, political and military forces in the world of its time. It was the largest empire of the classical antiquity period, and one of the largest empires in world history. At its height under Trajan, it covered 5 million square kilometers and held sway over some 70 million people, at that time 21% of the world’s entire population. The longevity and vast extent of the Empire ensured the lasting influence of Latin and Greek language, culture, religion, inventions, architecture, philosophy, law and forms of government on the Empire's descendants. From Wikipedia: Roman Empire.
Welcome to Beautiful Hawaii!

A tsunami, although unlikely, is always a possibility on a low lying island chain such as Hawaii. In the case of a tsunami, the major islands are lined with evacuation shelters for your safety. This map portrays the locations of the 'at risk' areas & evacuation shelters, as well as major roads and hotels for your convenience. Please contact the Pacific Tsunami Warning Center for additional information. On behalf of the Honolulu Police Department and the Governor of Hawaii, welcome to Oahu and thank you for visiting beautiful Hawaii!
The United States of America is the fourth largest country in the world and the third most populous nation with almost 320 million people. The national capital is Washington D.C. which is home to almost 6 million people. Each of the 50 states also has its own capital. In 33 of the 50 states, the capital is not the most populous city in the state. Atlanta, Georgia is the most populated state capital with 5.2 million people. Montpelier, Vermont is the least populated state capital with only 7,885 people.
Spain is the first country in the history of the UEFA Champions League to have five teams competing. Since Barcelona already qualified for the group stage (as the champions of the 2014–15 La Liga), the berth in the group stage is given to the Europa League title holders, Sevilla.
This map shows the rivers and lakes in South America and Central America.

Data Sources:
http://www.naturalearthdata.com/downloads/10m-cultural-vectors/
http://www.naturalearthdata.com/downloads/10m-physical-vectors/

Map by Ellie Black | October 7, 2015
Scenic Highways, Vista Points and National Parks in California

Notes:
The State Scenic Highway System includes a list of highways that are either eligible for designation as scenic highways or have been officially designated. The Vista Points are mapped by Caltrans Division of Maintenance to provide locations where motorists can safely view scenery or park and relax. Vista points may have facilities including walkways, interpretive displays, railings, benches, interpretive information, trash receptacles, monuments and other pedestrian facilities that are accessible to all persons.

Data Source:
California Department of Transportation -- Caltrans GIS Data
California Geoportal
Roads are very important to all sectors of a country's well-being. Security, health and economics all rely heavily on the ability to transport goods and people across large distances. Afghanistan needs good road systems to improve the quality of life of its people, including their individual and collective security and health. Without roads, rural areas become even more remote and unable to access basic needs of life, like water, food and healthcare.
Drink to London's History!

For the sight-seeing enthusiastic, who is also very enthusiastic about alcohol, this map is a guide to London’s most popular sights and the pubs nearby them! Visit Parliament and then grab a pint next door. Walk across Abbey Road, right into a bar for a craft beer. Wherever you are, a drink will never be far! And at the end of the day go towards the nearest London Underground station, to hotels specially picked for convenience to sights and pubs, get a good nights sleep, and do it all again tomorrow!

This map shows 300 of at least 1000 pubs in the City of London, the most popular Points of Interests for visitors and hotels to stay in nearby. The Hotels were picked based on access to metro routes, then ranked according to proximity to a POI, number of pubs in 0.5 km radius, and lastly, user ratings. Most of the area shown is decently walkable, but the London Underground rail lines, and stations are included for convenience. Please drink responsibly.

Map by Doyin Oladimeji
In 2012, the state of New Jersey contained more than 20,000 active contaminated chemical sites, including several of the most Superfund sites in the nation. North Jersey, in particular, contains the greatest incidences of hazardous waste contamination, with three counties—Bergen, Hudson and Passaic—each containing up to 2,000 reported incidents of pollution.

This map is a part of an ongoing effort to track the pollution and its impact on New Jersey’s soil and groundwater. Sites and properties where contamination of soil or groundwater has been confirmed are at levels equal to or greater than federal standards.
In January I will be graduating from Georgia Tech and starting a job at Keck & Wood, Inc. in Duluth. As such, I will likely be moving to Gwinnett County in order to live closer to work. This map analyzes potential apartment complexes to determine the best fits for my future housing. Factors analyzed included the rating of the apartments as reported by Google Reviews, proximity to work, parks, transit, and food and characteristics of the census tract such as percent vacancies and age demographics. Each of 60 apartment complexes were given an overall score out of 10. The highest scoring complex was found to be The Arbors at Breckinridge Apartment Homes with a score of 8.33. All complexes with a rating of higher than 7 will be considered further.
An improvised explosive device (IED) is a bomb constructed and deployed in ways other than in conventional military action. It may be constructed of conventional military explosives, such as an artillery round, attached to a detonating mechanism. IEDs are commonly used as roadside bombs.

IEDs are generally seen in heavy terrorist actions or in unconventional warfare by guerrillas or commando forces in a theater of operations. They are used in Afghanistan by insurgent groups, and have caused over 66% of coalition casualties in the 2001–present Afghanistan War.

Map by Caitlin Huber
IED Data from Afghanistan War, 2004–2009
Florida's Critical Wildlife Areas Impacted by Harmful Algal Blooms

Harmful algal blooms (HABs) are defined as the proliferation of toxic algal species that negatively impact the health of wildlife and humans. Critical Wildlife Areas (CWA) inhabited by sensitive and endangered species are especially prone to the adverse effects of HABs. Observations of HAB outbreaks are being reported with increasing frequency along U.S. coastlines, causing growing concerns nationwide.

Studies have shown a strong correlation between excess nutrient runoff from agricultural areas and HABs incidents through their connecting drainage areas. The western coast of Florida in particular, which consists predominantly of farmland, continues to be a growing area of concern for its CWA's due to the area's frequent and large outbreaks of HABs.

Sources: MGIS Data USA State Boundaries; Florida Fish & Wildlife Conservation Commission; National Oceanic & Atmospheric Administration
The map simply shows the area of People's Republic of China with the water bodies and railroads it contained. The capital and the name of each province were clearly marked on the map.

Reference:
http://www.diva-gis.org/gdata
http://chinadatcenter.org/Data/FreeDataDownload.aspx
http://www.arcgis.com/home/item.html?id=a842e3598564365b1ddf8cc34fde079

Made by Honghan Cheng 10/06/2015
This map of the city of Paris is meant to show some interesting facts about the features of the city.

- From the rivers or streams that go through the city, this map shows their categorization as a stream, river, or canal, represented by the different blue tones.
- Paris is divided into 17 boroughs, which apart from being shown on the map are symbolized with different shades of gray. The darker shades represent boroughs with larger areas in square meters.
- Finally, the areas in green represent gardens or parks in Paris. The different shades of green are meant to show different ranges of time for the opening dates of these parks.

Georgia is among the top five states with the largest population of Black/African Americans. Although, Georgia is not a relatively poor state, it is ranked 15th in reference to homelessness. This map shows the distribution of poverty for the capital of Georgia - Atlanta, as well as the distribution of Black/African Americans in Atlanta.

Worldwide Carbon Emissions & U.S. Non-Attainment Areas

This map displays data concerning worldwide carbon emissions, and some of the implications of increasing emissions in the United States, a country in the top 3 of both total CO2 emissions and per capita CO2 emissions.

The map to the left shows per capita CO2 emissions, the total carbon dioxide production divided by the number of people per country.

The three maps on the bottom show the locations of “Non-Attainment Areas” (NAA) around the United States. An NAA is a region where air quality is lower than the “National Ambient Air Quality” standards due to the excess presence of an atmospheric chemical.

Three NAAs are outlined below, including 8-Hour Ozone, Carbon Monoxide, and PM10 (large particles between 2.5 and 10 micrometers in size). The areas indicate regions where a high ozone, carbon monoxide or PM10 concentration can lead to health and crop damage.

The maps also show the relative numbers of air quality monitoring stations around the US, which are more prevalent in states like California with large NAAs.

Map By: Nitin Venugopal, Georgia Tech CP 4510

USA: With per capita CO2 at just over 17 tons per capita, the USA is the leading producer of CO2 outside of the middle east (excluding small/low population countries).

2011 CO2 Emissions (Metric Tons Per Capita)

- 0 - 3.15
- 3.15 - 7.5
- 7.5 - 14.15
- 14.15 - 28.10
- 28.10+
- Not Reported

0 1,000 2,000 4,000 Miles

Qatar: With 2011 emissions of over 44 tons per capita, Qatar is the leading producer of CO2 (per capita) in the world.

China: World’s leading CO2 producer seems to have a lower impact in this map due to its large population lowering per capita contribution.

Sweden: World’s “greenest” developed country has per capita emissions of 5.5 tons

Brazil: A large country with large population and relatively low CO2 production, points to it’s lack of infrastructure and extensive forest system.

Australia: A large country with an extensive shipping and transportation network, has high per capita emissions due to its low population, just slightly greater than that of the state of California.

Breathing air containing ozone can reduce lung function and increase respiratory symptoms, thereby aggravating asthma or other respiratory conditions. Ozone exposure may contribute to premature death, especially in people with heart and lung disease. High ozone levels can also harm sensitive vegetation and forested ecosystems. (EPA)

Carbon monoxide (CO) is a colorless, odorless gas that can increase the severity of lung ailments, cause dizziness, fatigue, nausea, and even death. (EPA)

PM is solid or liquid particles found in the air. Concerns from exposure to PM10 include: effects on breathing, damage to lung tissue, cancer, and premature death. The elderly, children, and people with chronic lung disease, influenza, or asthma, are especially sensitive to the effects of particulate matter. (EPA)
With nearly 85% of the total number of courses in the region being added since the year 2000, disc golf is one of the fastest growing easily accessible sports in the nation.

Catrography by Jeremy Nichols
CP 4510 Static Map #2

Courses within 25 miles of Major Cities

<table>
<thead>
<tr>
<th>City</th>
<th>Course Count</th>
</tr>
</thead>
<tbody>
<tr>
<td>Charlotte</td>
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<tr>
<td>Cary</td>
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<tr>
<td>Atlanta</td>
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<tr>
<td>Raleigh</td>
<td>18</td>
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<td>Greensboro</td>
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<td>Charleston</td>
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<td>Fayetteville</td>
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</tr>
<tr>
<td>Columbus</td>
<td>3</td>
</tr>
<tr>
<td>Savannah</td>
<td>3</td>
</tr>
</tbody>
</table>

State and County Boundaries taken from TIGER Shapefiles made available by the US Census Bureau. City locations and populations sourced from ESRI hosted layer. Disc golf course locations provided by the PDGA, under limited use provisions - course data may not be replicated or shared.
The United Arab Emirates is a federation of seven states (sheikhdoms) found on the Arabian Peninsula. Despite the independence of each state (Abu Dhabi, Dubai, Ajman, Fujairah, Ras al Khaimah, Sharjah, Umm al Qaiwan), the government is composed of a Supreme Council of Rulers who appoint the prime minister and the cabinet (BBC News, 2015).

Abu Dhabi is home to more than 200 islands. Dalma Island is a heritage sanctuary, preserving old Arabic culture such as pearl harvesting, ancient dhow wooden boats, and old residential communities (abudhabiinformation.com).

The Palm Islands and the World Islands, often called the eight wonders of the world, are the world’s largest artificial islands. Construction of these islands took only four years and each island needed nearly 12 million pounds of rock and 53 million pounds of sand to construct (International Business Times, 2012).

The United Arab Emirates and its neighbouring territories
Air Quality in Georgia (2011)

Conditions in Air Quality, pertaining to SO₂ emission sources and overall maximum AQI.

Of the 159 counties in Georgia, only 32 counties have AQI (Air Quality Index) monitoring stations. Each of those counties are numbered and decoded in the key below.

The map shows the top 5 pollutant sources as indicated by the EPA, and all the other sources grouped.

SO₂ (Sulpher Dioxide) was chosen as a focus because of how dangerous it is to human and plant life. It mixes with rain water to cause acid rain and can cause major cardiovascular problems in humans.

The Environmental Protection Agency monitors SO₂ at various locations in Georgia. For each location, they determine the source of pollution, and the concentration of pollutants. Every point on this map represents a monitoring location and the major source of pollutant at that location.
North Carolina is ranked 42nd in the percent of state population that has earned a Bachelor's Degree or higher with 23.8% of its people having earned a qualifying degree. The map below shows the percentage of the population that has earned a Bachelor's Degree or higher by county in North Carolina. Orange, Wake, and Durham counties have the highest percentage of college educated people and are detailed below. The state map also shows the number of colleges in each county in North Carolina. Wake County is home to the most colleges in the state, with nine area colleges. Mecklenberg County is second with eight area colleges.
"Wilderness adds tremendous value to the quality of life in Arizona, drawing millions in tourist revenue and protecting our sweeping canyon, forest, mountain, and desert vistas from sprawling development."

Source: http://www.azwild.org

Map By: William Woolery

Map Data Source: http://uair.library.arizona.edu
Electric Utility Greenhouse Gas Emission from 2005 to 2012 and Fossil Fuel Type Used for Electric Power Generation

Map by Xinbei Guan
11/18/2015

Notes:
National Emissions Inventory (NEI) in the United States provides detailed information on criteria pollutant emission from fossil fuel power plants. NEI also provides information on the generation capacity (MWh) and annual electricity generation. The primary fuels burned in the power plant are coal, natural gas, oil and fuels other than coal, oil, or natural gas, such as diesel, flare gas, coke, etc. This map shows the fuel mix of each state based on TWh of electricity generated from each fuel type. The US EPA State and Local Climate and Energy Program provides CO2 emission data from 1999 to 2013 from all fossil fuel combustion source, including electric power utility.
Chamblee is located in the Metro-Atlanta region of Georgia and home to over 10,000. 22.9% of the population was under the poverty line in 2010. As Georgia has moved toward implementing more complete streets throughout the Atlanta region, areas such as Chamblee have been ignored and remain with the same transit facilities. The map to the right shows the transit scores and poverty rate for residential areas in Chamblee. The transit score is based on available bus stops within a quarter mile walking distance and whether the rail station is within the same walking distance. Groceries are essential and locations are sometimes not widely available for most residential areas which forces people to find transportation to locations. Sometimes transportation is not widely available. The grocery index is based on how walkable they are to residential areas, bus stops and rail stations, and how large the store is. Chamblee could definitely use more bicycle facilities and an expanded transit network to reach all residential areas.

Legend

<table>
<thead>
<tr>
<th>Grocery Score</th>
<th>1</th>
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<th>3 - 4</th>
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<tr>
<td>MARTA Station</td>
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<th>Poverty Percentage</th>
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<td>11 - 20</td>
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<tr>
<td>21 - 30</td>
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<tr>
<td>31 - 40</td>
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</table>

<table>
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<tr>
<th>Residential Transit Score</th>
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</thead>
<tbody>
<tr>
<td>0 - 7</td>
</tr>
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<td>8 - 13</td>
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<tr>
<td>14 - 20</td>
</tr>
<tr>
<td>21 - 26</td>
</tr>
<tr>
<td>27 - 33</td>
</tr>
</tbody>
</table>

Cities in Atlanta

Map by: Lilian Ayala
November 25, 2015

Sources:
Atlanta Regional Commission (www.atlantaregional.com)
ArcGIS online (www.arcgis.com)
OpenStreetMap (www.openstreetmap.org)
PMC (www.ncbi.nlm.nih.gov)
U.S. Census (www.census.gov)
This map shows the locations of all the current nuclear reactors within the United States. In addition to this, it also shows a graduated symbol representation of the population growth within major cities from 1950 - 2050. The cities that have experienced the most population growth are denoted by a scale of red. The cities that have experienced the least population growth are denoted by a scale of green.

To do this, I created an additional field in the attribute table of population and used the field calculator in order to determine the net population growth for each city.

This map was created in hopes to raise awareness to areas of higher population and their relation to nuclear reactors around the country.
Lebanon

The old Souks of Jbeil, which basically represents the old market place. A very touristic attraction in the north of Lebanon.

Beaches in Batroun and the North of Lebanon are a mixture of Sand and shells.

Columns from the temple of Jupiter in Baalbek, dating back to the days of the Phoenicians.

Phoenician Tyre was Queen of the Seas, an island city of unprecedented splendor.

Beirut is the capital of Lebanon, it is also where I reside.

Israel

Mediterranean Sea

Map source: http://www.diva-gis.org/dataland
As the Atlanta BeltLine continues to make its way around the communities, specific neighborhoods become potential hotspots for future retail and more efficient roadways. Also, with the Atlanta Streetcar system becoming an addition along the BeltLine West trail, neighborhoods on the west side will be the main focus. West End and Adair Park (boxed in the red) are both prime locations with bike trails that lead to the BeltLine trail as well as parks that are in the vicinity of the trail.

*Neighborhoods ranked on amt. of bike trails/parks in relation to the BeltLine: Higher the score, better the neighborhood
This map shows the effects of the earthquake that shook Haiti in January of 2010. The focus is on the nation’s capital by showing the areas that contain demolished buildings, temporary housing camps, and makeshift health facilities. The 7.0 magnitude earthquake killed over 100,000 people and injured many more. Organizations around the globe sent aid to help the country recover from the detrimental damages. The data was found at dataverse.harvard.edu, diva-gis.org, and Wikipedia.
In this map of the Charlotte Mecklenburg area, the Mecklenburg County Parks and Recreation Districts are shown. The South District is bright red due to the fact that its parks and greenways are the least accessible for Charlotte Mecklenburg citizens living in apartments and condominiums. This area has the most apartments and condominiums that are more than .5 miles away from a park or greenway. Citizens living in apartments and condominiums are the least likely group to have outdoor or yard space. Therefore, it is important public outdoor space is close by to encourage outdoor activities. Data used for this map courtesy of Mecklenburg County GIS Services.

Featured in the map above are the South District and 671 properties that are listed as vacant by the Charlotte area census. As vacant properties, the Mecklenburg Parks and Recreation Department could look into purchasing them to turn into green space for the citizens of the South District.

The picture above is of Reedy Creek Park, marked on the map to the left by a pink asterisk. Picture from Charlotte Disc Golf Club.
For my print map 2, I wished to show that for one of the most populous countries in the world (India has over 1 billion citizens), their educational institutions were not only poorly distributed, but were also insufficient. The government only recognizes about 8300 institutions, colleges and schools. That is not only insufficient, but it is one of the main reasons behind the countries enormous illiteracy statistics, and this could also be the reason why poverty is a huge issue in India, 30% of the Indian population lives below the poverty line…

For my analysis, achieving the right data was very difficult to acquire. At first I had acquired data containing all the significant buildings all over India (infrastructure, bus stops, bus stations, schools, colleges etc.), I had to be able to select the colleges and schools and create their own shapefile. Then I had to join the shapefile to the states, and make sure all the educational points intersect a state. Then I was able to create a thematic map that shows which state had the most institution per area.

Then in order to further divest into the analysis, I was able to create a more concrete analysis of the educational institutions based on the state of Karnataka. I was able to find rivers, parks, and population statistics for the main cities in the state of Karnataka. I then created a rating scale that measured each cities amount of educational institutions, as well as its proximity to parks, and how populous the city was.

The rating was as follows: each city that had over 60 schools, received a 3 rating, those with 59-30 a 2 rating, and those with less than 30 a 1 rating. Each city that had 30 parks or more per city, received a 2 rating, those with less received a 1. Those that had a population of over 7 million received a rating of 5, those with 5-7 million a rating of 3 and those with less than 2-5 million a rating of 1, and those with less than 2 million a rating of 0.
Although it's near the size of Massachusetts, El Salvador contains many viewpoints and cultural centers. El Salvador is made up of 14 departments. Within these departments, you'll find either a major city or scenic volcanoes. The 14 stratovolcanoes are major attractions for hikers. Coatepeque Caldera and Ilopango, are calderas formed after an eruption and now famously attract tourists for their picturesque landscapes. The volcanic fields, such as the Apastepeque Field, provided rich soils for coffee plantations. Though El Salvador has gone through a lot of violence in recent years even after the end of the civil war in 1992, there are still many features that attract tourists to El Salvador. Seen below are the volcanoes around El Salvador, major highways, major cities, and departments.
Breast cancer is the most commonly diagnosed cancer in women. One in eight women will be diagnosed with breast cancer in her lifetime. This map shows the women ratio by state as well as the incidence rates of female breast cancer per 100,000 for all races and all ages for the years 2008 to 2012 by state.
Pollution is a major problem our society is facing today. Many people see the extreme examples of air pollution which can be viewed elsewhere in the world; however, it is also important to consider the quality of our air in the United States. This map attempts to present an idea of air pollution on a state-by-state basis through an index which takes into account the number of major cities each state has and the length of road contained within each state. By graduating this index, the states at risk for pollution can be more easily viewed, in dark red in the case of this map. The locations of coal and gas power stations across the country have then been overlaid onto the map to provide a visual relationship. Through analysis of the map it is evident that states with more gas power stations tend to be at a greater risk of air pollution.

Data Source:
Chicago’s problem with violence has worsened over the last decade. Many kids grow up around violence even if they try to stay out of it. Some people are automatically put in gangs because they live on a certain block or neighborhood. These gangs can provide access to weapons for kids which is the main cause for the city’s rampant homicides.

The map shows that the South Side of Chicago has many more homicides than the North Side. This could mean that there aren’t as many gangs in the North, and we can even predict that the North Side is wealthier than the South Side because homicides tend to occur in poorer places.
China's megacities and surrounding Population

A megacity is usually defined as a metropolitan area with a total population in excess of ten million people. This map demonstrates 6 megacities in China and the population of around these megacities.

- **Beijing**, the 8th world megacity, the population is 21,099,000. It is also called Peking, the capital of the People’s Republic of China and one of the most populous cities in the world.
- **Shanghai**, the 6th world megacity, the population is 23,416,000. It is a global financial center, and a transport hub with the world’s busiest container port.
- **Guangzhou**, the 10th world megacity, the population is 20,597,000. Located on the Pearl River, near Hongkong and Macau, serving as an important national transportation hub and
- **Tianjin**, the 28th world megacity, the population is 10,920,000. It is a metropolis in coastal northeastern China and one of the five national central cities of China.
- **Shenzhen**, the 25th world megacity, the population is 12,084,000. It is China’s first and one of the most successful Special Economic Zones.
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Beijing, the 8th world megacity, the population is 21,099,000. It is also called Peking, the capital of the People’s Republic of China and one of the most populous cities in the world.

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Earthquakes can occur anywhere on Earth where there is enough stored energy to cause a fracture in one of the fault lines. The West Coast of the United States frequently experiences earthquakes. This is because it is located along tectonic boundaries and contains many fault lines. The majority of the earthquakes are in California which is home to the San Andreas Fault. It is only a matter of time before a historic earthquake strikes the West Coast.
Veterans commit suicide at double or more the rate of civilians, and the rate of veteran suicide is growing far more quickly than that of civilians. This map shows the difference in suicide rates between veterans and civilians as well as the veteran population as a percentage of state population. Veterans Affairs facilities are also displayed. Note that in the northeastern part of the U.S., there is a higher concentration of VA facilities, and veteran suicide rates are marginally closer to civilian suicide rates than in other parts of the country, particularly the western U.S. (Per capita veteran/civilian suicide data not available for Florida or Nebraska.)
Many people believe that teen crashes are due to alcohol, use of cell phones, or driving at night. However, as seen in the map, teen car crashes are a function of teen population density and proximity to interstates.

<table>
<thead>
<tr>
<th>Fatal Teen Crashes per 100 Square Miles</th>
<th>Teens per Mile</th>
<th>Insufficient Data</th>
</tr>
</thead>
<tbody>
<tr>
<td>below 0.5</td>
<td>less than 10</td>
<td></td>
</tr>
<tr>
<td>0.5 - 1</td>
<td>10 - 30</td>
<td></td>
</tr>
<tr>
<td>1 - 2</td>
<td>30 - 50</td>
<td></td>
</tr>
<tr>
<td>2 - 3</td>
<td>50 - 75</td>
<td></td>
</tr>
<tr>
<td>above 3</td>
<td>75 - 150</td>
<td></td>
</tr>
</tbody>
</table>

Map by Andrew Alford
Sources: ncdot.gov, census.gov, nws.noaa.gov
The Southeastern portion of the United States is known for many things besides its stretches of sandy coastal beaches with frolicking kids and its mild, humid climate. It is known for its welcoming people and southern hospitality, the place where country music was born, fine cuisine, Latin influence, important shipping ports, swamps, and hurricanes just to name a few. It is home to Disney World, the most visited theme park in the world, as well as the Great Smokey Mountains National Park. Steeped in history, Native American tribes such as the Cherokee lived off the land, and it was part of events that ultimately shaped the country such as the American Revolution and the American Civil War.