Map of Colorado: Major Cities and Roadways

Legend
- Major Cities
- US Highways
- Interstates
- Counties

Quick Facts:
2017 Population: 5.6 million
Capital: Denver
Founded: August 1, 1876
State Flower: Columbine
State Bird: Lark Bunting

Sources: coloradogeologicalsurvey.org; demography.dola.colorado.gov/gis; catalog.data.gov; www.census.gov/geo/maps-data; Map By: Katherine Fan, November 2018
Brussels, the capital region of Belgium, consists of 19 municipal districts. It is a major hub for both Flemish (Dutch speaking) and Wallonian (French speaking) citizens, who are typically divided into the Northern and Southern poles of the nation and quite frequently at political and cultural odds.

It is poetic that the capital city of such a divided nation also serves as the primary federal location of the European Union, serving as the seat of the European Commission, Council of Europe, and the European Parliament.

Ironically, Brussels's long history of hosting international institutions is due to lack of agreement between Europe's great powers rather than unionist sentiments. Belgium was considered a weak (and off-limits) central location within the European power block.
The Capital Bike Share services Washington DC with 278 docking stations and over 2000 bikes.

Pricing:
- Single Trip (30 minutes) ---- $2
- 24-Hour Pass -------------- $8
- Annual Membership --------- $85

For more information, go to: www.capitalbikeshare.com

Data Collected from the Washington DC GIS Database (URL: http://opendata.dc.gov/datasets)
Washington, D.C. is the capital city of the United States of America. The city is home to the U.S. President, houses both the legislative and judicial branches of the government, and plays host to the many foreign ambassadors residing within the city limits. In addition to containing numerous political dignitaries, the city is also a center of discovery for visitors seeking to learn about American history via the Smithsonian museum system.
Colorado: Is Population Density Related to Geography?

Due to its unique topography, Colorado's population density is greatest in counties just to the East of the Rocky Mountains. Additionally, all of Colorado's major cities lie in the foothill region east of the Rockies, showing that there is truth in the old Coloradan saying: "If you need to figure out which way is 'West,' just look towards the mountains!"

Population Density of Colorado Counties
(People per Sq. Mile)
- 0.76 - 10.13
- 10.14 - 26.31
- 26.32 - 47.26
- 47.27 - 123.47
- 123.48 - 766.85
- 766.86 - 1861.45
- 1861.46 - 4288.72

Most Populated Cities
Source: World Population Review, 2018
- Denver: 719,116
- Colorado Springs: 484,233
- Fort Collins: 168,913
- Centennial: 110,868
- Pueblo: 112,911
- Boulder: 109,068
- Westminster: 115,497

Sources: coloradogeologicalsurvey.org; demography.dola.colorado.gov/gis/; catalog.data.gov; www.census.gov/geo/maps-data
Map By: Katherine Fan, October 2018
This trail is located in a large isolated valley. Considered to be one of the most popular destinations in the park as well as one of the best places to see wildlife. Some of the sites include 3 churches, a working grist mill, barns, and log cabins.

Cades Cove

Chimney Tops Trail

The trail goes over many wooden bridges and stone steps to lead to one of the peak best views in the park. One of the most popular hikes in spring and summer due to its abundance of wildflowers as well as its cool temperatures.

Alum Cave Trail

This trial was once used as an Epson salt mine in the early 1800's. The path goes up the side of a mountain with handmade wooden and stone steps. The path then leads to a large open cave system with breathtaking views.
The city of Boston is the fourth leading U.S. metropolitan area by number of college students, with around 350,000 students in 2016, according to Citylab.com. The city of Boston alone has over 50 colleges and universities, many of which are nationally ranked. This map shows the Boston colleges currently nationally ranked in the top 200 by the U.S. News and World Report.
From the 2017 U.S. Census, Alaska is the least densely populated state with a population of 739,795 and a geographic area of 570,640.95 sq. miles.
Charlotte is the most populous city in the U.S. State of North Carolina. It has many notable public attractions and is a bike-friendly city. A 2011 study by Walk Score ranked Charlotte the 49th most walkable of the 50 largest cities in the United States.

Data Sources:
- ArcGIS Hub
- City of Charlotte Open Data Portal
New York City Transit

From NYC MTA website:
The New York City Metropolitan Transit Authority is the largest transportation network in North America. They serve 15.3 million people over a 5,000 square-mile area. 80% of New York City commuters use transit operated by the MTA.
Great Smoky Mountains National Park, established in 1934, is the most visited park in America. The park is located between Tennessee and North Carolina and offers hiking trails and camping sights. Wildlife is a main attraction throughout the park, with about 1,500 black bears and 17,000 total species residing within the boundaries.

Source: nationalparks.org
Chicago is the capital of Illinois and the 3rd largest city in the US. It is home to 5 major sports teams, numerous parks, and an extensive public transit network. This map shows the parks over 100 acres large, different rail lines in the city, the stadiums Chicago is home to.
About the Project

The BeltLine is a former railway corridor around the core of Atlanta, GA, under development in stages as a multi-use trail. Some portions are already complete, while others are still in a rough state but hikeable. Using existing rail track easements, the BeltLine is designed to improve transportation, add green space, and promote redevelopment. There are longer-term visions for streetcar or light-rail lines along all or parts of the corridor.

Map by Madeline Clowse, 10/22; Data retrieved from Atlanta Department of City Planning GIS and ArcGIS; Graphics from Atlanta BeltLine
Alaska, northwest of Canada, is the largest and most sparsely populated U.S. state. It's known for its diverse terrain of open spaces, mountains and forests, with abundant wildlife and many small towns.

Area: 663,268 sq mi (1,717,856 sq km)
Population: 739,795
Density: 1.26/sq mi (0.49/sq km)

Top 10 Cities to Visit in Alaska:

- Utqiagvik city (Barrow)
- Nome city
- Anchorage municipality
- Seward city
- Homer city
- Fairbanks city
- Bethel city
- Juneau city and borough
- Sitka city and borough
- Ketchikan city

Map by Zhengxian Chen
10/20/2018

Ten Datasets
Data Sources: Alaska Department of Natural Resources; US Census Bureau; DIVA-GIS; IPUM International; Statistics Canada
The Chicago Police Department (established in 1835) is the second-largest municipal police department in the United States, behind only the New York City Police Department. It has about 12,244 officers and over 1,925 other employees.

The Chicago Police Department has 22 police districts, each led by a commander who oversees his or her district. Commanders report to the three area deputy chiefs, who then report to the Bureau of Patrol Chief.

1ST - Central
2ND - Wentworth
3RD - Grand Crossing
4TH - South Chicago
5TH - Calumet
6TH - Gresham
7TH - Englewood
8TH - Chicago Lawn
9TH - Deering
10TH - Ogden
11TH - Harrison
12TH - Near West
14TH - Shakespeare
15TH - Austin
16TH - Jefferson Park
17TH - Albany Park
18TH - Near North
19TH - Town Hall
20TH - Lincoln
22ND - Morgan Park
24TH - Rogers Park
25TH - Grand Central

Legend
- Police Stations
- Parks
- Waterways
- Police Districts

Map by: Veronica Chua
October 22, 2018
Sources:
5 Datasets - data.cityofchicago.org ; census.gov
3 Images - home.chicagopolice.org ; odmp.org
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The Southeast region of the National Parks in the United States consists of 9 states (AL, FL, GA, KY, LA, MS, NC, SC, TN) and territories (Puerto Rico and the Virgin Islands) and has 60 National Parks. The Great Smoky Mountains (GRSM) NP is located in the Great Smoky Mountains and the Blue Ridge Mountains. It is the most visited National Park in the US with over 11 million visitors annually. The 2 biggest visitor centers in the park are Sugarlands near Gatlinburg, TN and Oconaluftee near Cherokee, NC. There are 850 miles of trails and unpaved roads. Other activities to do in the park besides hiking include fishing, horseback riding, and biking.

NP = National Park
NHP = National Historic Park
NHS = National Historic Site
NS = National Site
NB = National Battlefield
NMP = National Military Park
NMEM = National Memorial
EHP = Ecological and Historic Preserve
NPRES = National Preserve
NBS = National Battle Site


Map by Leila Harrison 10/22/18
Boston is the most populous city in the state of Massachusetts, and resides in Suffolk County. One of the oldest cities in the United States, Boston enjoys a rich history stretching before the American Revolution. The city is also notable for its tradition of education, containing the second-oldest public high school and oldest public elementary school in the United States. Higher education is also a focus, with the country's highest density of secondary education institutions.
Maryland, constituent state of the United States of America. One of the original 13 states, it lies at the centre of the Eastern Seaboard. Its small size belies the great diversity of its landscapes and of the ways of life that they foster, from the low-lying and water-oriented Eastern Shore and Chesapeake Bay area, through the metropolitan hurly-burly of Baltimore, its largest city, to the forested Appalachian foothills and mountains of its western reaches.
How to best utilize this map:
Mark start and end location on map. Trace a path and try to take as much bike friendly streets and multi-use paths as possible. Avoid major streets when possible.

Map Data from: https://www.fayetteville-ar.gov/514/Data-Downloads Map by: Reid Passmore
South America was named after the Italian explorer Amerigo Vespucci. Although the continent was first discovered by Columbus, it was Amerigo who first proved that it wasn’t part of the Far East (as postulated by Columbus). He was therefore given the honor of having the continent named after him.
Raleigh is the state capital of North Carolina and the seat for Wake County. It is the second largest city in North Carolina behind Charlotte. Also known as the "City of Oaks," Raleigh earns this name because of the numerous oak trees that line streets within downtown. Combined with two other cities in the area, Chapel Hill and Durham, these three cities comprise the area often referred to as the "Triangle" and is a major economic hub for the state.

Sources: City of Raleigh GIS Online Data and Go Raleigh GIS Data
Washington, D.C.
Historical Landmarks

Washington, DC is the capital city of the United States of America. It sits in its own Federal District, separate from any state. Its downtown area is home to many government buildings, museums, monuments, and historic sites of great significance to the American people. This map shows some of the most famous, with proximity to WMATA metro stations to show ease of access.

Map by Tyler Curl 10/21/2018

Source: opendata.dc.gov
Photo: OnBoard Sightseeing Tours

Legend
- Historic Landmarks
- Metro Stations
- Roads
- Water
For outdoors enthusiasts, Washington is an ideal state for exploration with its wide range of ecoregions, from the rainy Northwest Coast to the dry Columbia Plateau. An ecoregion is an area of land that reflects broad ecological patterns. Washington’s western ecoregions are characterized by wetter climates and temperate rainforests. Moving eastward, the ecoregions become more desert-like as well as drier and hotter, with landscapes cut by rivers. Washington’s diverse ecoregions are home to number of National Parks. Olympic National Park can be found on the Northwest Coast, with its alpine meadows and lush rainforests. Further inland, Nez Perce National Historical Park features a drier landscape with grasslands.
Hurricane Irma

Category 5 major hurricane
Formed on August 30, 2017
Highest winds: 180 mph (285 km/h)
Damage: $64.76 billion
It was also the most intense hurricane to strike the continental United States since Katrina in 2005.

Source:
https://www.fgdl.org/download/
https://www.fgdl.org/metadataexplorer/explorer.jsp
https://en.wikipedia.org/wiki/Hurricane_Irma
According to USA Today, Atlanta is ranked the nation's 17th most dangerous city. From January 1, 2018, through December 5th, 2018, there have been 23,620 reports of crime in the city. This map shows crime density by Atlanta neighborhood. The most dangerous neighborhoods by crime frequency are: Lenox, Buckhead Village, Lindbergh/Morosgo, Berkeley Park, Midtown, Downtown, Vine City, and Castleberry Hill.
California: The Golden State

National Parks in California

The National Parks Service provides access to public parks across the United States. In the parks, you can learn more about the natural resources in the parks and discover issues that affect the parks. Below shows the National Parks found in California as well as the major roads, cities and airports.

Sources: Airport data from USDOT BTS, Road network data from CalTrans, parks data from the National Parks Service, and City data from CalTrans.

Map by: Sarah Wilson
Going Car-Less in the City of Traffic: How Poverty Affects Mobility in Atlanta

Atlanta's reputation for being a car-dominated city precedes itself. Most residents cannot imagine life without a car. However, many large pockets of the city are made up of households without a single car, generally due to poverty. Owning a car is expensive, with one study showing that the state is one of the most expensive places in the US to own a car. The cost of insurance, repair and gasoline adds up to an average $2,408 per Georgian (and this is not including purchase price for cars and other external costs such as parking). Although Atlanta offers some public transportation, this map shows huge pockets of the population that are stuck without a car and without a major mode of public transportation (MARTA train line). This limits their ability to find a job outside of their immediate community and make the money they need to get out of the cycle of poverty.
Bikeability score describes the convenience and ability for an area to support a lifestyle centered around cycling as a primary mode of transportation. Index takes multiple factors into account such as: proximity to downtown Denver, distance from business development, access to biking infrastructure, and quality of adjacent infrastructure. This index can be used to identify suitable areas to work or live for those interested in a cycling lifestyle.
For those with a green finger, Atlanta is a great place to live as it is home to a multitude of community gardens, greenhouses and orchards. The community gardens can be found all over the city in the various Atlanta neighborhoods. The neighborhoods closest to downtown Atlanta are especially plentiful with gardens. The photo below shows a garden in the historic Westview neighborhood, which is home to a total of four gardens.

Emma Highfield
December 7, 2018

Source: Atlanta Regional Commission, Westview Atlanta, ArcGIS Online
According to the Atlanta Journal-Constitution, there are two million Georgia residents living in sparsely populated communities that don’t have the riders or concentrated tax base to fund traditional mass transit systems. Residents in 118 rural counties are served by 65 small transit operations that provide mostly on-call van services, rather than fixed-route buses.
This map shows each neighborhood in Minneapolis, MN accessibility to public transit. The index was calculated based on the normalization of kilometers of bus routes and light rail track within the neighborhood. The light rail track was weighted heavier due to people’s preference of light rail to taking the bus.

Legend
- Bus Routes
- Light Rail
- Water

Communities Index
- 1 - Least Accessible
- 2
- 3
- 4
- 5 - Most Accessible
- Counties
This map shows the population served by transit in Atlanta. Bus stops and rail stops were taken from Fulton GIS and buffered by .25 and 1 mile, respectively. Population and statistical areas were taken from ARC. The buffers were intersected with the statistical areas to calculate the percentage served by transit. The table shows the top 5 areas by population and percentage served by transit. From this table, North Buckhead has large opportunities for transit.
China: Household Consumption by Province

The cost of living in China has been known as relatively low compared to other major countries. However, over the past decade, the cost of living in China has been dramatically increased, especially in the large cities. The cost of living in China's first-tier cities is now among the highest in the world.

This Household Consumption Expenditure by Province map shows the comparison of cost of living among provinces.

Top 5 Provinces

<table>
<thead>
<tr>
<th>Province</th>
<th>Household Consumption (Yuan)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Shanghai</td>
<td>49,617</td>
</tr>
<tr>
<td>Beijing</td>
<td>48,883</td>
</tr>
<tr>
<td>Tianjin</td>
<td>36,257</td>
</tr>
<tr>
<td>Jiangsu</td>
<td>35,875</td>
</tr>
<tr>
<td>Zhejiang</td>
<td>30,743</td>
</tr>
</tbody>
</table>

**Voting in D.C.**

Because the District of Columbia is a special federal district, not a state, D.C residents do not have any representation in the United States Senate. A delegate represents D.C in the House of Representatives and cannot vote on the House floor, but can vote on congressional committees and procedural matters. The district is provided the same amount of electoral votes as the least populous state in the US during the presidential election.

**Transit Use in D.C.**

In Calendar Year 2017, 228,209,811 people rode the D.C Metro system (Federal Transit Authority). According to the U.S Census 2006, D.C has the second highest percentage of public transit commuters in the U.S.
"Moving an average of $4.1 billion of cargo annually, Missouri waterways provide low-cost transportation benefits to businesses from around the globe. Each Missouri port authority operates one or more public terminals – providing a range of cargo transfers and storage as well as land for industrial development. With an average of over 35 years of experience in economic development, Missouri port authorities can provide your business with friendly, direct and responsive service, making us central to your success" missouriports.org
Happiness comes from a combination of internal and external factors. In order to determine the happiest states in America, WalletHub compared the 50 states across three key dimensions:

1. Emotional & Physical Well-Being
2. Work Environment
3. Community & Environment

Each state was graded on a 100-point scale, with a score of 100 representing maximum happiness.

**TOP 5**
- HAWAII: 68.27
- UTAH: 67.84
- MINNESOTA: 67.26
- NORTH DAKOTA: 65.62
- CALIFORNIA: 63.14

**BOTTOM 5**
- OKLAHOMA: 38.89
- ALASKA: 38.21
- LOUISIANA: 37.15
- ARKANSAS: 36.61
- WEST VIRGINIA: 33.42

Map By: Veronica Chua
12/7/18

Happiness Score Data Source:
WalletHub Research Study
For 2016, Median Income Level of United States was $57,617. For Georgia, the median is $51,037. Compared to Median of US, it's $6,580 lower. Then, how's each county's income level?

In 2016, the county with the highest Median Income in Georgia was Forsyth County with a value of $91,842 followed by Fayette County with a value of $81,689 and Oconee County with $75,946.

Data: https://factfinder.census.gov/faces/tableservices/jsf/pages/productview.xhtml?pid=ACS_16_5YR_S1903&prodType=table
Shown here are three maps showing the coverage of railroad infrastructure across Europe. While Russia is considered a European country, it is excluded as its massive size makes it an outlier. Likewise, Iceland is excluded as it has no railroads. The bottom left frame shows the rails throughout the continent. The bottom right frame shows the total length of rail per country in kilometers. The top right map frame shows the total number of rails that pass through each country.

All data from naturalearthdata.com
As the number of internally displaced persons (IDPs) in Syria nears 7 million, conditions for these people continue to worsen. IDP camps across the country grow more crowded with each stream of arrivals, spreading scarce resources ever thinner. One invaluable resource for these camps is potable water, as shelling and conflict have destroyed much of the country’s plumbing infrastructure. This map ranks IDP camps based on proximity to large rivers providing a consistent (year-round) water supply, which aids in boosting standards of living and sanitation for all within the camp.
Comparing Influenza and Pneumonia Mortality by State

These maps compare the death rates from 2005 to 2015 due to influenza and/or pneumonia. The rate is calculated as the number of deaths per 100,000 people and is adjusted for differences in age-distribution and population size. When the number of deaths per state is small, the rate may be skewed.

Source: https://www.cdc.gov/nchs/data/nvsr/nvsr66/nvsr66_06.pdf
Map by Laura O'Brien
India is ranked by the Global Terrorism Index as one of the top 10 countries for terrorist activity. This is largely due to its religiously-charged disputes with its neighbors, Pakistan and China, its contested control over Kashmir, and the hundreds of different tribal and lingual affiliations within its own borders.

Represented here is every terror attack committed by a known attacker in India from 1972 to 2017, color-coded by attacker motivation type.

DATA COURTESY OF:

Vector Data Source: MGIS Data World Country Boundries
Birth rate data from CDC 2016 data. Rate per 1,000 females age 15-19.

Data Sources: US Census Bureau and New York University Libraries
This map shows the state of Georgia's high school graduation rates overlaid by the number of hispanics as a percentage of the total population by county.

Data Sources:
- ArcGIS Hub
- Atlanta Regional Commission GIS
Percentage Born Low Birthweight by State in 2016

According to the University of Rochester Medical Center:
Low birthweight refers to babies who are born weighing < 5.5 lbs while an average baby usually weighs about 8 lbs. A low-birthweight baby can be healthy, but the baby can also have many serious health problems. This risk is best prevented through regular prenatal care.
Suicide rates in the United States have been experiencing a sharp increase in the last few years. Although there is no main cause for this increase, we must address this issue as a mental and public health problem to successfully tackle it.

If you need to reach out to someone, please visit the website below: https://suicidepreventionlifeline.org/
Or call: 1-800-273-8255