# India Urban Pop. Dot Density State Level (Census 2011)

For a more accurate distribution, the world lakes data was used to exclude lakes from the map and Areas with other streams and waterbodies in India were also excluded. Waterbody data was aquired from Princeton University Library as well as the World Lakes data from ArcGIS Hub.

Geometry data was acquired from a open source website called DIVA-GIS. This website is supported by many CGIAR institutes, such as Biodiversity International, the International Potato Center, University of California, and many others.
The attribute data was acquired from the India census of 2011. Results must be observed with caution as dot locations are generated randomly for each state.
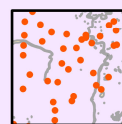
Waterbody Data
https://hub.arcgis.com/datasets/arcgis-content::world-lakes/about

https://maps.princeton.edu/catalog/stanford-jq724hb1204

State Boundaries:
https://www.diva-gis.org/datadown

Attribute Data:
India Census 2011
or
https://www.census2011.co.in/states.php

Custom Coordinate System:
Albers Equal Area for India
units: meters
central meridian: 82.765826 degrees
Cartographer: Justin Pan

Scale: 1:17,000,000
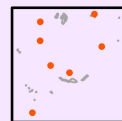
## Indian Population Characteristics

1 Dot = 100,000 people
a square is
102.108 km by 102.108 km

high density pop count: 3,700,000

medium density pop count: 1,100,000

Low Density pop count: 700,000

0   130  260      520 Kilometers