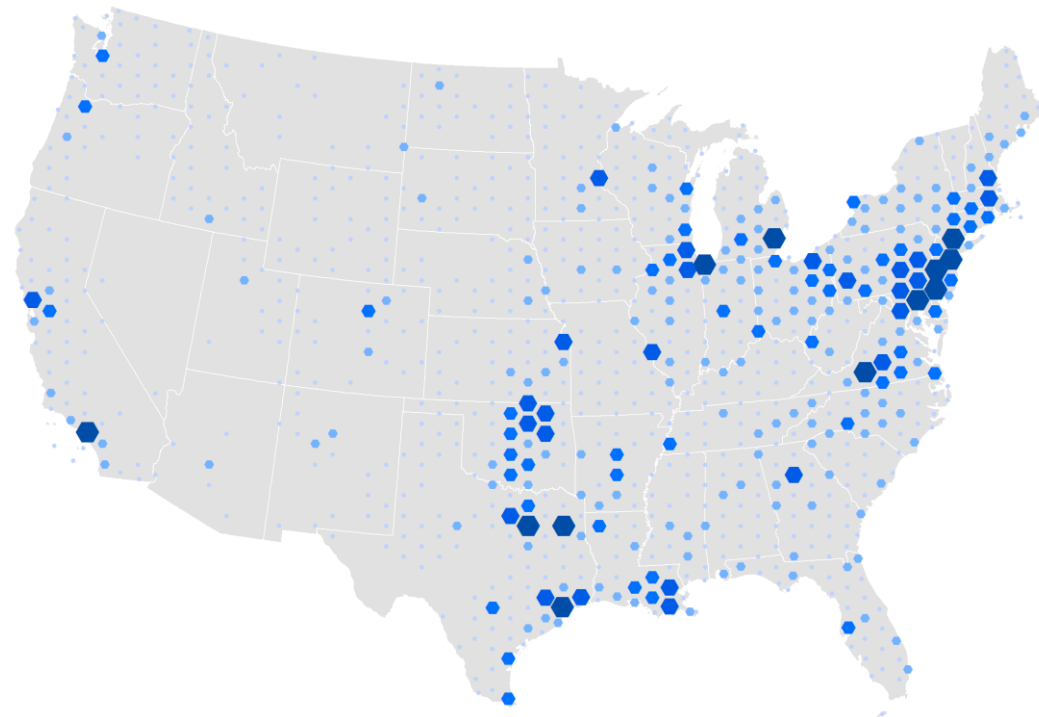


Data Manipulation and Representation

Comparative visualization of EPA site density within the Contiguous United States

Site density within a 2500 sq mile hexagon of land



Hexbin Maps

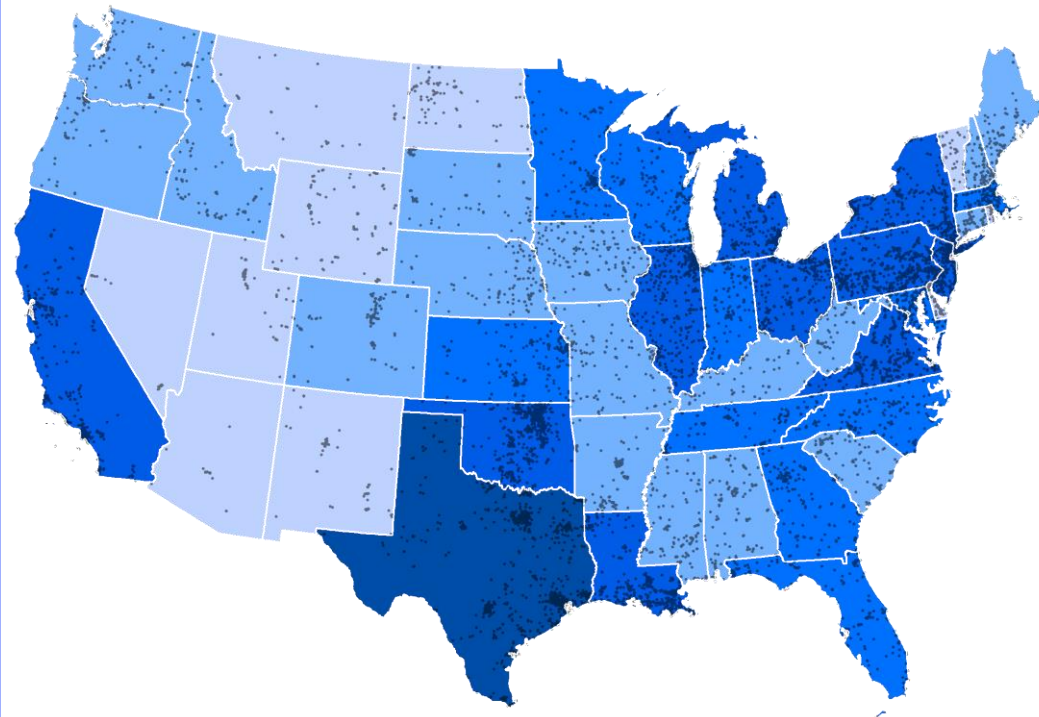
Advantages

- Represent curves in data more naturally than square grids.
- Hexagons tessellate to form an evenly spaced grid

Disadvantages

- Placement is determined by the size of grid cells, rather than by actual map features
- Reduces the spatial resolution of the data

Site density within each state



Choropleth Maps

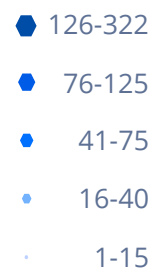
Advantages

- Shows general patterns clearly
- Links variables to locations

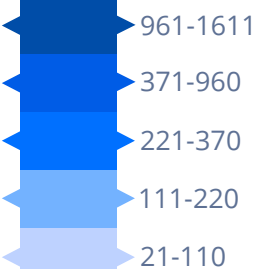
Disadvantages

- Gives impression of uniform values within each sub-area
- Can only be used for ratio data not absolute values

Sites per Hexagon



Sites per State



• One Dot = One EPA Site