IMAGE FORMATS

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IMAGE FORMAT

IMAGE FILE FORMATS:

 Raster – A raster graphic is an image made of hundreds (or thousands or millions) of tiny squares of color information, referred to as either pixels or dots.

Pro: file size

Con: blurry when scaled

• Vector – A vector graphic uses math to draw shapes using points, lines and curves. So whereas a raster image of a 1" x 1" square at 300 dpi will have 300 individuals pieces of information, a vector image will only contain four points, one for each corner; the computer will uses math to "connect the dots" and fill in all of the missing information.

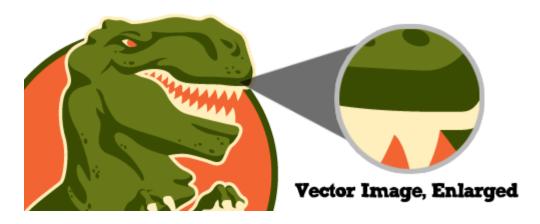
Pro: infinitely scalable

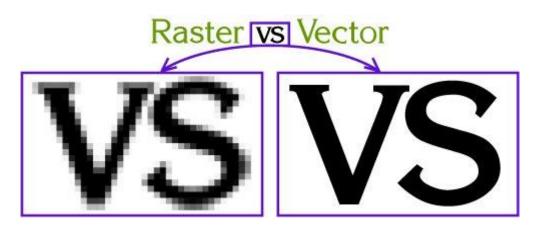
Con: hard to embed in documents, file size may be large

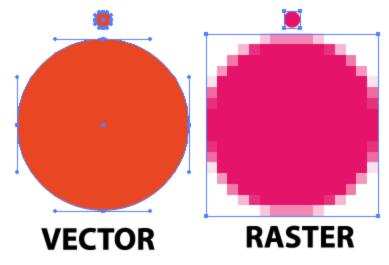
Metafile – Flexible format that can include elements of raster and vector images.

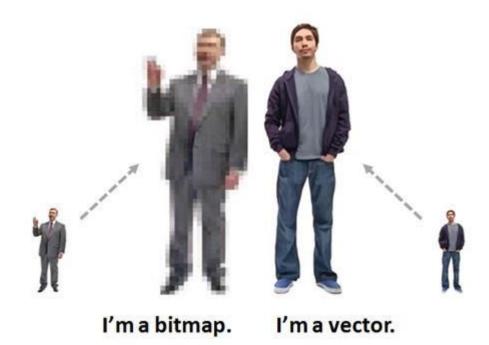
Pro: you can edit Con: large file size

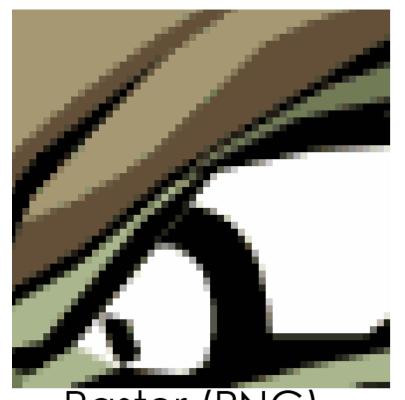












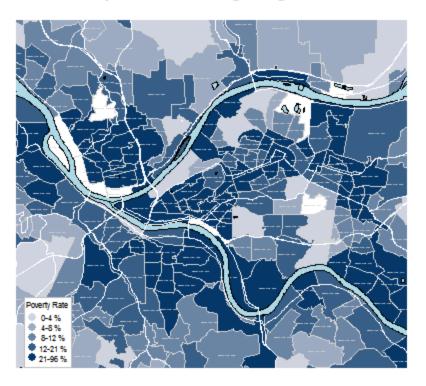
Raster (PNG)



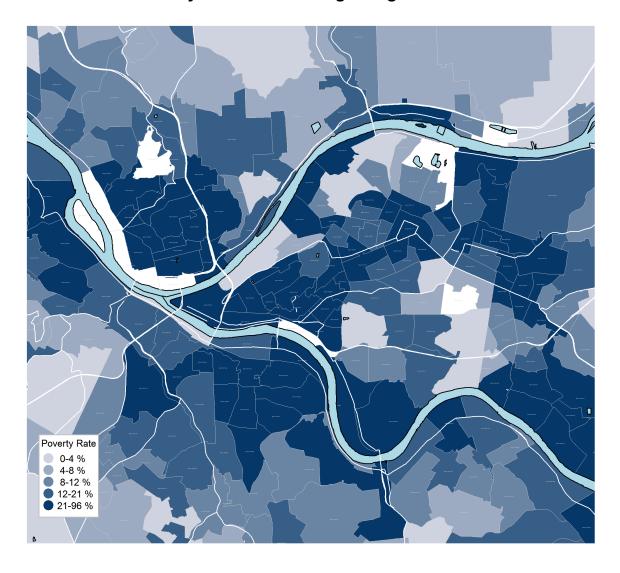
PNG file format

Default image size

Poverty Rates in Pittsburgh Neighborhoods

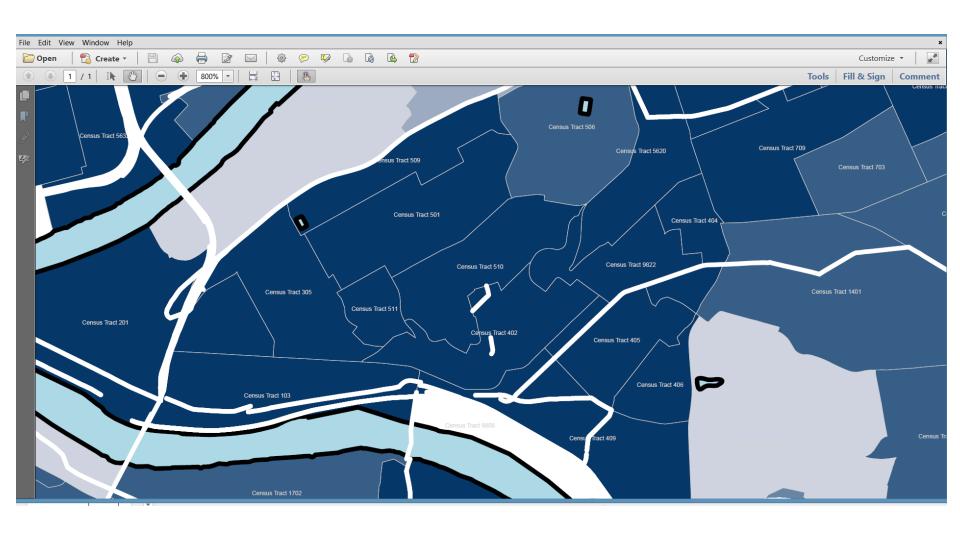


Poverty Rates in Pittsburgh Neighborhoods



PNG file format

Large image size



PDF file format

Zoomed to 800%

METAFILE EXAMPLE:

