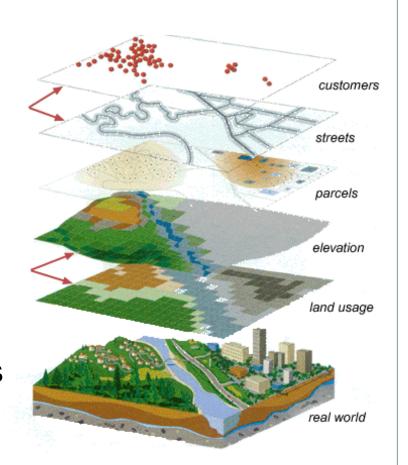
ArcGIS Online - Web Mapping

What is GIS?

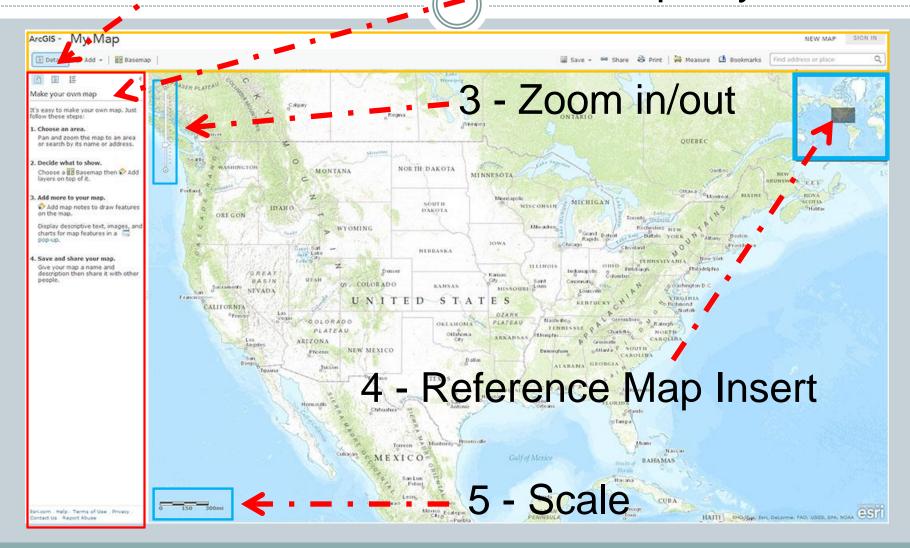
- A geographic information system (GIS) integrates hardware, software, and data for capturing, managing, analyzing, and displaying all forms of geographically referenced information.
- A GIS helps you answer questions and solve problems
- ArcGIS Online is an easy to use GIS that we will use today.



ArcGIS Online: Appearance

√1 - Details

2 - Map Layers



ArcGIS Online Basemaps

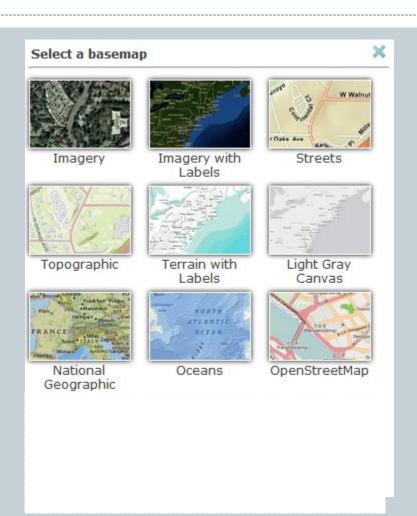


Reference

- Business locations
- Mountain peaks (for hikers)
- Nearby landmarks for tourism

Thematic

- Obesity rates by state
- Ecological footprints by country
- Housing values by neighborhood



Overview

EXERCISE 1: See Your World

Follow instructions on your handout

- Open ArcGIS Online: Go to http://www.arcgis.com, and click "Map"
- 2. New Map: Grab, hold, and move the map.
- 3. Zooming in/out: See numbers in the Scale Bar change.
- 4. Finding Places: Use the Search box to find your city.
- **5. Changing Basemaps:** Look at each of the different basemaps

Overview

EXERCISE 2: Measure and Mark Your World

Follow instructions on your handout

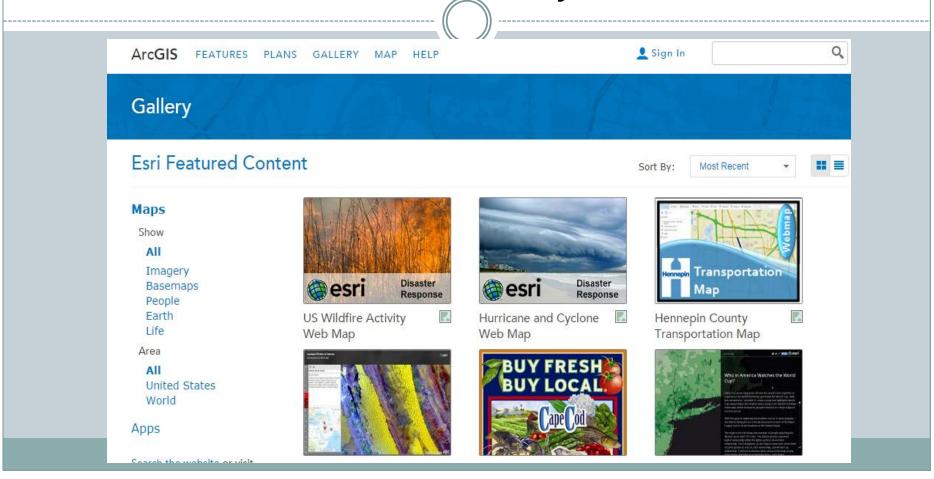
- 1. Measuring Distances: The Measure tool has three options: Area, Length and Location. Zoom out to the world. Click "Measure" and choose "Ruler"
- 2. Measuring Features: West coast of USA to England
- 3. Adding Labels: "Modify Map" and "Add Map Notes"
- 4. Changing Symbols: Zoom to your city and Select Imagery with Labels Basemap.
- 5. Measuring Areas: Zoom back home and use the "Add Features" palette to add an "Area" for the school grounds.

Overview

EXERCISE 3: ArcGIS Online GALLERY

http://www.arcgis.com/home/gallery.html#c=esri&t=maps&o=modified

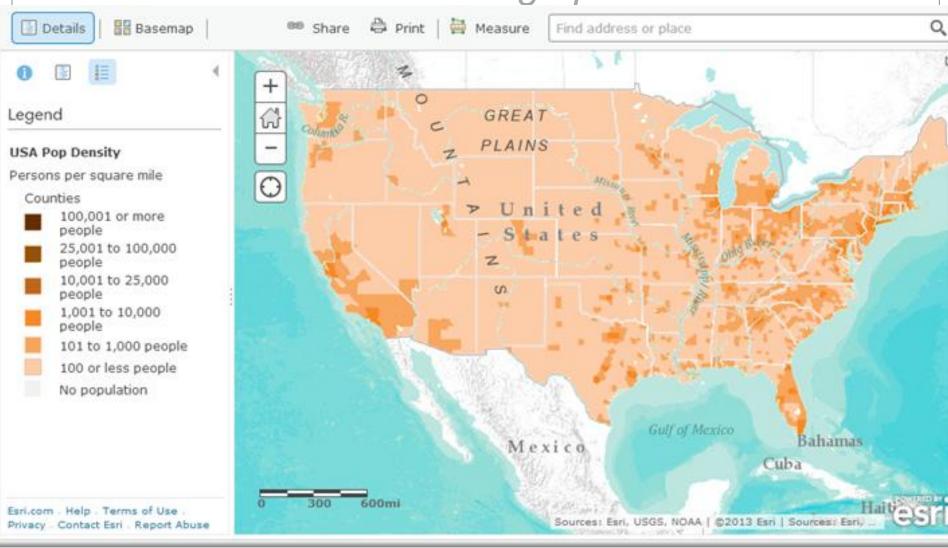
Follow instructions on your handout



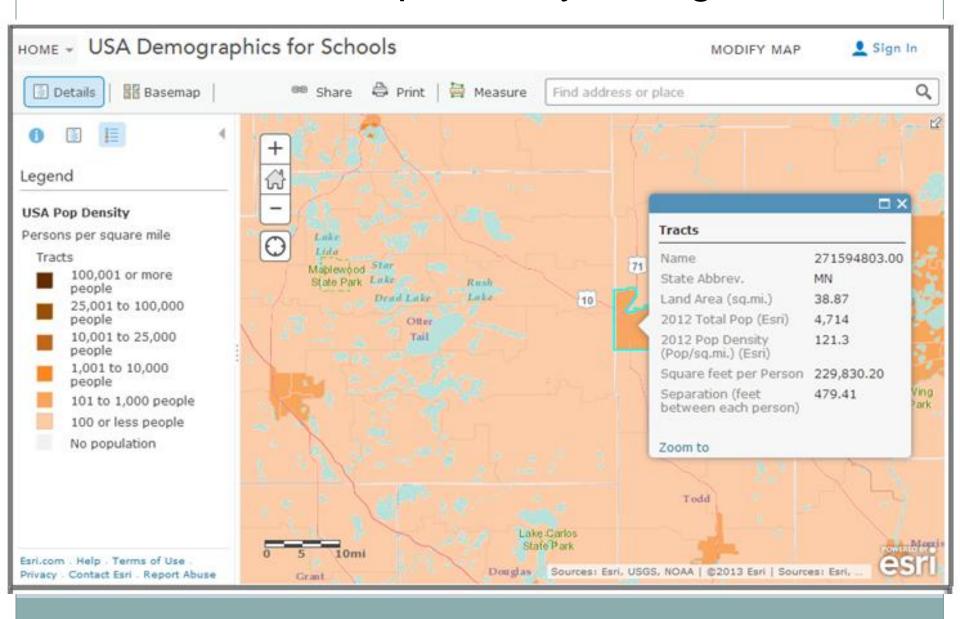


Lesson 2-Web Mapping Application: USA Demographics for Schools

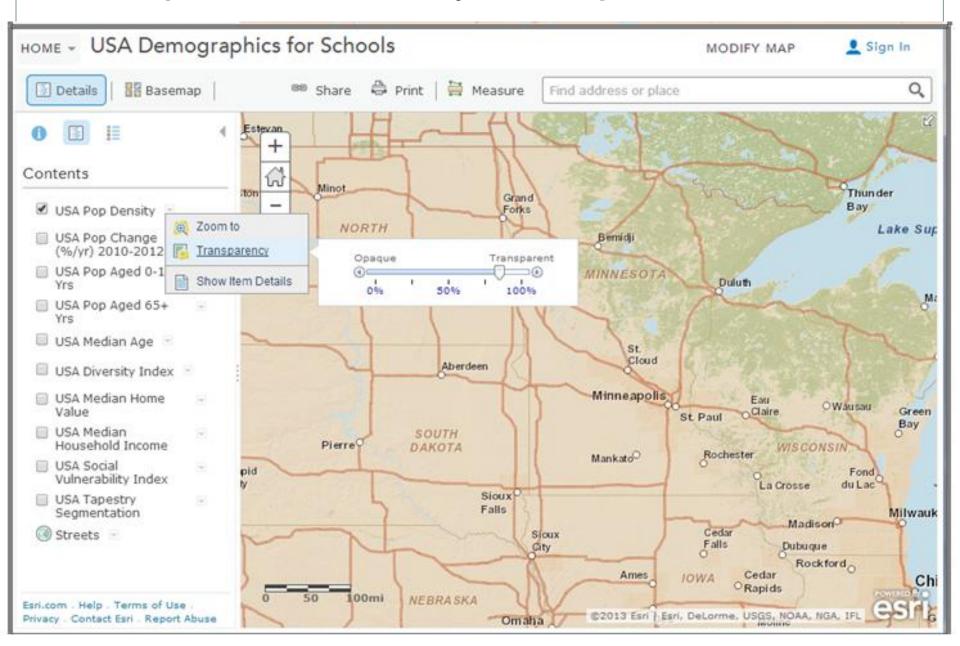
Demonstration of Demographics for Schools



Zoom In - USA Pop Density changes to Tracts

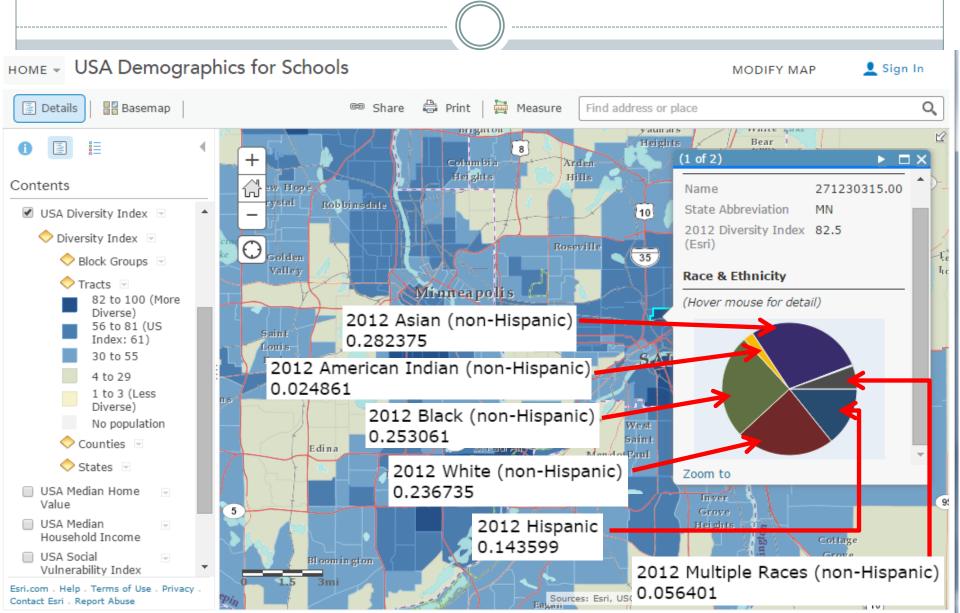


Transparent Overlay on top of Other Data



Identifying Race & Ethnicity in Census Tracts

Example - Census Tract in St. Paul



Produce Custom Maps using Paint & PowerPoint

