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Maps and Reality

In intro classes we learned that:

- Maps can be used to influence peoples' perceptions by the use of scale, colors, graphics and type size. What people "see" can be influenced by the intent of the map maker.
- Maps portray reality by showing the location of things.
 Maps can also influence reality by creating a perception of a place that is different from reality.
 - A <u>false impression</u> of an area may be conveyed by the size of dots on a crime map or the **coloring** of large areas when the item being mapped covers only a small portion of that area.
- If this is true, maps can then influence peoples' opinions and behaviors.

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Spatial Arrangement and the Pattern of Man-made Phenomena

Do maps duplicate reality?

- Need to differentiate between quantitative and qualitative mapping.
- Perceived relationships (mental images) are created by using lat/long coordinates that creates real places.
- People then observe the relationship between phenomena and real locations (and accepting the validity because of the "real" location).
- The earth locations of abstract ideas and perceptions (that may have been linked to real data) create a new reality. (Because data sets are anchored to the earth's grid and presented in map format, they are assumed to be true.)

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New York City

* NYC is the largest city of the US (8.55 mil., 2017 est.).

- It is the only city that is not part of a county.
 It is the only city made up of more than one
- County.
 There are 5 counties within its political boundary: Bronx, New York, Queens, Kings and Richmond. The 5 counties are conterminous with the 5 boroughs.
 - New York County is the Borough of Manhattan.
 - Kings County is the Borough of Brooklyn.
 - Richmond County is the Borough of Staten Island.
 - Queens County is the Borough of Queens.
 - Bronx County is the Borough of The Bronx.











Influence of Geography on NYS

- 5. NYC became the focus of commerce and trade in the 1800s because of its location.
- 6. Climate a result of many factors is favorable.
- 7. Climate with landforms create soil.
- 8. Surface water systems and groundwater are a result of glaciation.
- 9. The glaciers, which retreated 8000-15,000 years ago, created the present landscape.

Influence of Geography on NYS

- 10. The settlement pattern reflects the **path of easiest movement** through the state.
- 11.People selected the **best** aspects of the physical environment for their needs: gather, hunt, fish, mine, lumber.
- 12. The valleys were settled first: ease of farming, transportation, and access to fresh water supplies.
- 13. The physical landscape has been transformed by people and their works (*attitude*) over time – first by native Americans then by Europeans.

Viewing the Physical Characteristics of New York

- We set the "stage" that is NYS by looking at the characteristics of its physical geography. These in turn have shaped its human/cultural geography.
- We will look at the LANDFORMS, CLIMATE and WATER RESOURCES.
- These three are part of nature -- the BIOSPHERE -- which supports all life.

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Viewing the Physical Characteristics of New York When people are put into the mix, there is the creation of the cultural landscape.

- People have made decisions over time on how to best use the physical landscape for their needs (*the nature of the natural setting for best use*):
 - Settlement
 - Transportation networks
 - Economic development

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Google Maps

Using **Google Maps** you can get a bird's eye view of NYS. <u>http://maps.google.com</u> Start off with the "SATELLITE" view and then zoom in on various areas of the state. Switch to "MAP" view. On the pull-down list,

click on "TERRAIN" to see 3-D representation with contour lines. Zoom in for details. NEXT

Physical Geography of New York State