

# Digital Maps and Mapping

**Today's Goal:**

Learn to distinguish between  
Reference and Thematic Maps and  
between Static and Dynamic  
Maps.

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# Outline for today's class:

- Introduction (5 min)
- Brainstorming Maps (10 min)
- Lecture (10 min)
  - Reference vs. Thematic Maps
  - Static vs. Dynamic Maps
- Map Classification Exercise (10 min)
- Q&A (5 min)
- Homework assignment (5 min)

# Introduction

- This class is Intro. to Digital Maps and Mapping
  - If this isn't your class feel free to leave or stay and check it out
  - Any registration questions, see me after class
- The twitter #hashtag for this class is #DigiMapTU
  - twitter responses and engagement are encouraged
  - so are verbal responses and engagement =)
  - Urgent questions or clarifications will be addressed immediately
  - less urgent will be addressed during Q&A at the end of the session
- All materials are also available online



# Brainstorming Maps

List some maps that you've used, seen, heard of, etc.

I will list them on the board as you respond verbally, or submit them to the twitter hashtag.

# Lecture - Slide 1 of 4

## Reference Maps

- Used as a reference
- Contains many kinds of information
- Analogous to reference books; Dictionaries, Encyclopedias, etc.

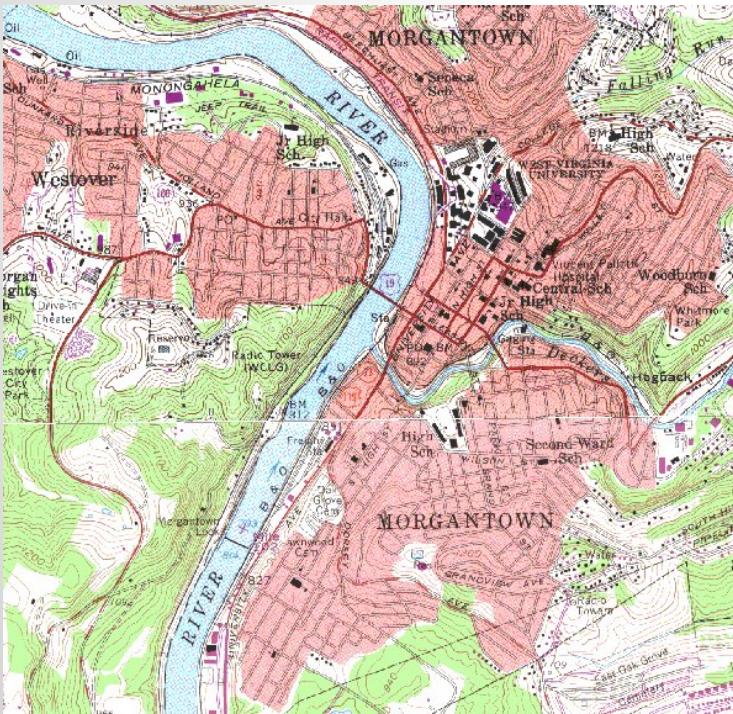
## Thematic Maps

- Focuses on a Theme or tells a story
- Often contains few different kinds of info
- Analogous to articles or books about a certain subject

# Lecture - Slide 2 of 4

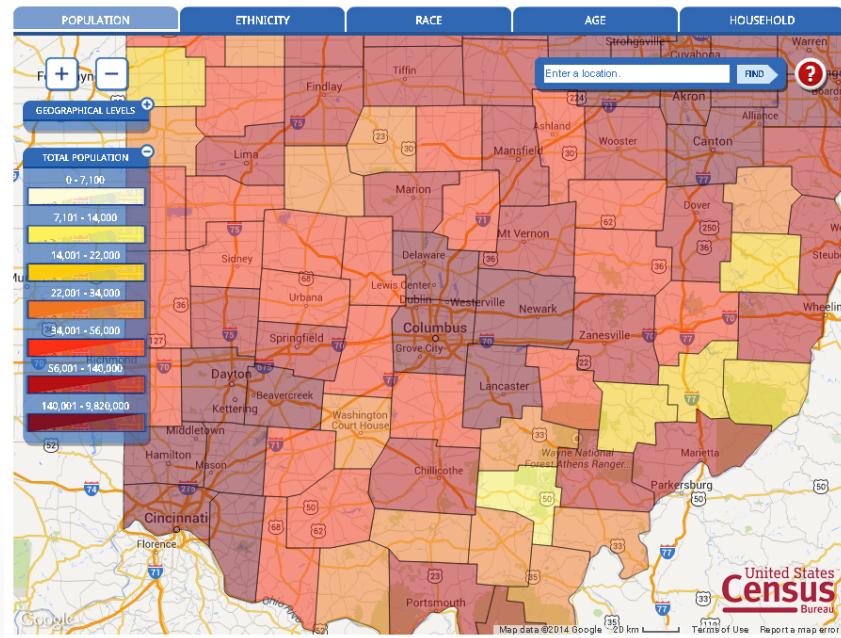
## Reference Maps

Ex: USGS Topographic Maps



## Thematic Maps

Ex: Census Population Map



# Lecture - Slide 3 of 4

## Static Maps

- = Fixed; stationary
- Does not respond to user interactions
- Remains as it is unless a new version is created/released
- Can be paper or electronic

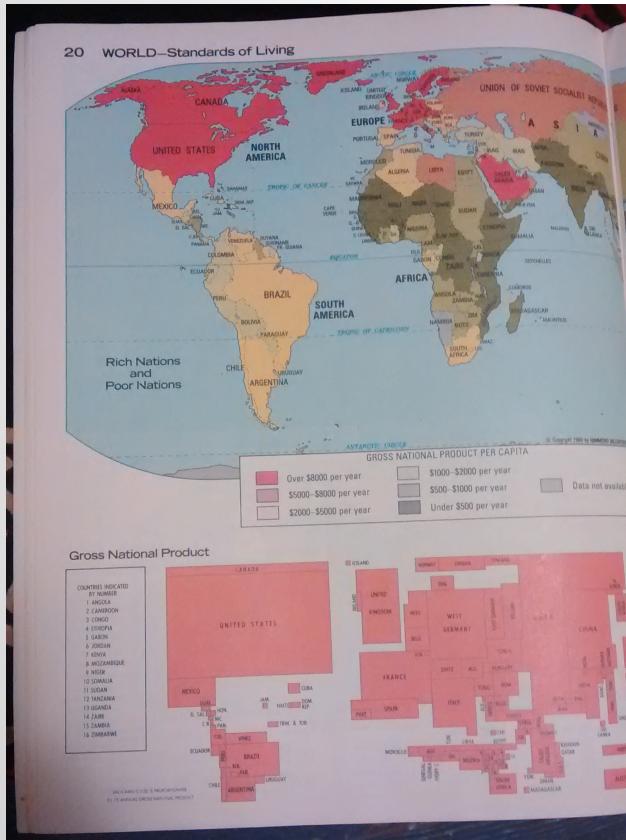
## Dynamic Maps

- = Constant change
- Responds to user interaction
- Can be updated constantly and/or automatically
- Mostly electronic (often web or mobile)

# Lecture - Slide 4 of 4

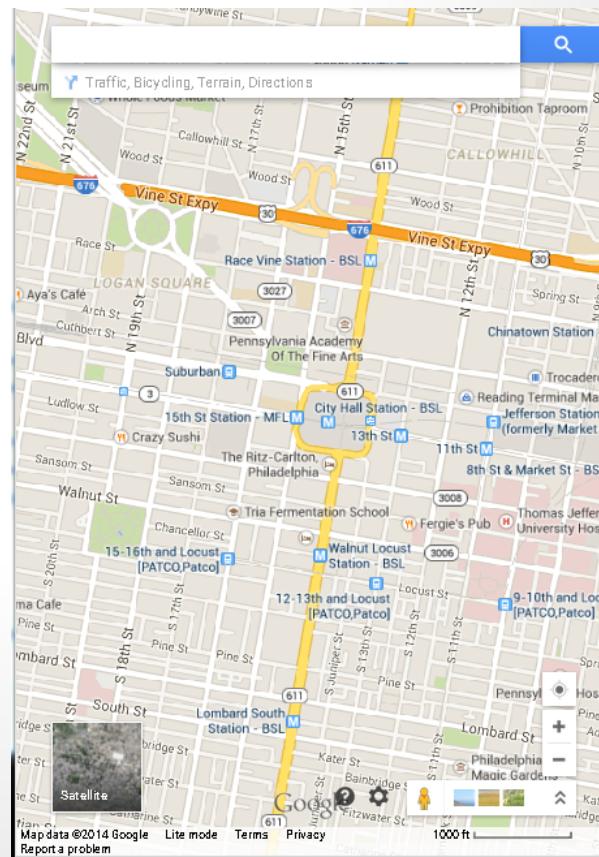
## Static Maps

Ex: A map in a paper atlas



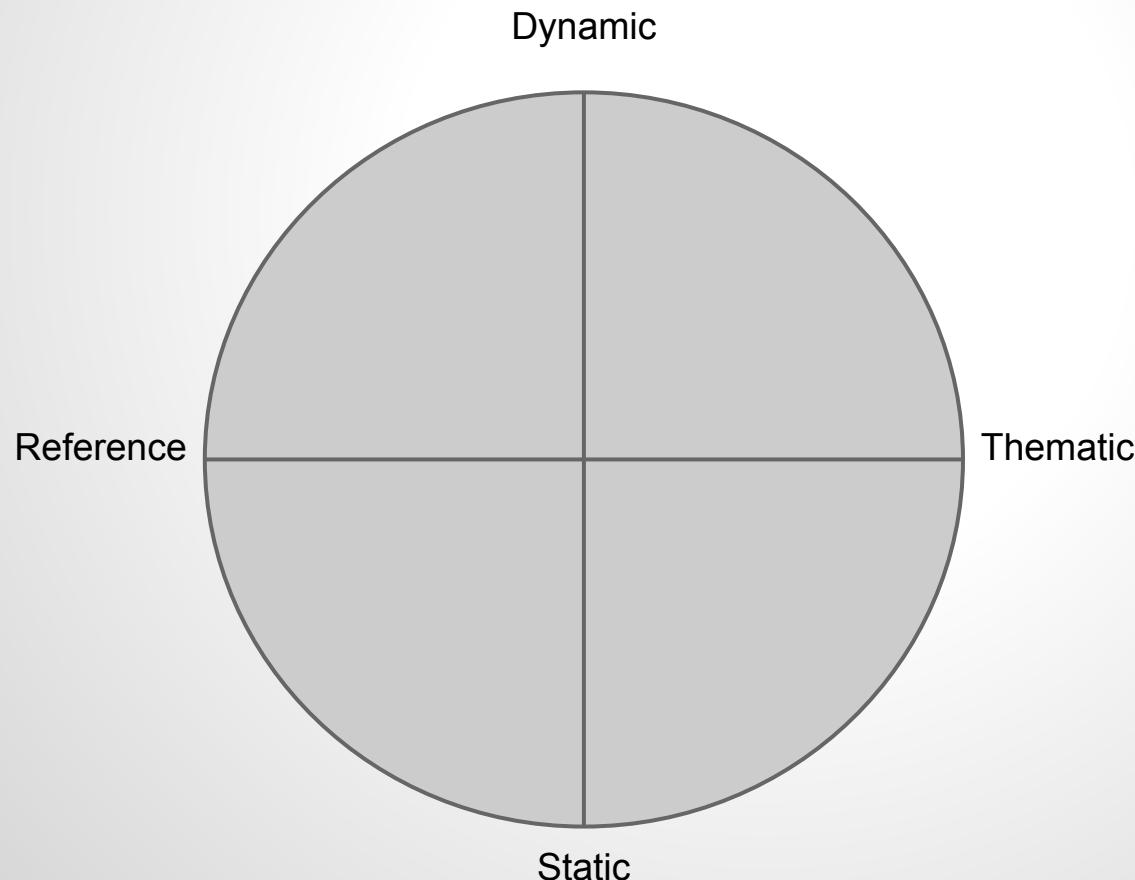
## Dynamic Maps

Ex: Google Maps



# Map Classification Exercise

Classify the maps from our brainstorming into



# Questions and Answers

Are you confident on the distinctions between:

**Reference and Thematic Maps**

and

**Static and Dynamic Maps ?**

If you are unclear, or have other questions,  
please ask them now, tweet them, or come see  
me during my office hours.

# Homework Assignment: Due Next Class

(assignment will be posted online)

- Find a map (online or paper)
- Record the source information and a screenshot or picture of the map.
- Is it a Reference or Thematic Map?
- Is it Dynamic or Static?
- What is one way it could be used? (if Reference)
- What is the theme? (if Thematic)