

Data

Mapping for Architecture, Urbanism, and the Humanities

September 29, 2017

Housekeeping

- Final Project
- Midterm due November 3rd
- Next week

Census, Map, Museum

One notices the census-makers passion for completeness and unambiguity. Hence their intolerance of multiple, politically “transvestite”, blurred, or changing identifications. Hence the weird subcategory, “Others” - who, nonetheless, are absolutely not to be confused with *other* “Others.” The fiction of the census is that everyone is in it, and that everyone has one - and only one - extremely clear place. No fractions.

–Benedict Anderson, pg 2

PREVAILING RELIGIONS

English Miles
0 100 200 300 400

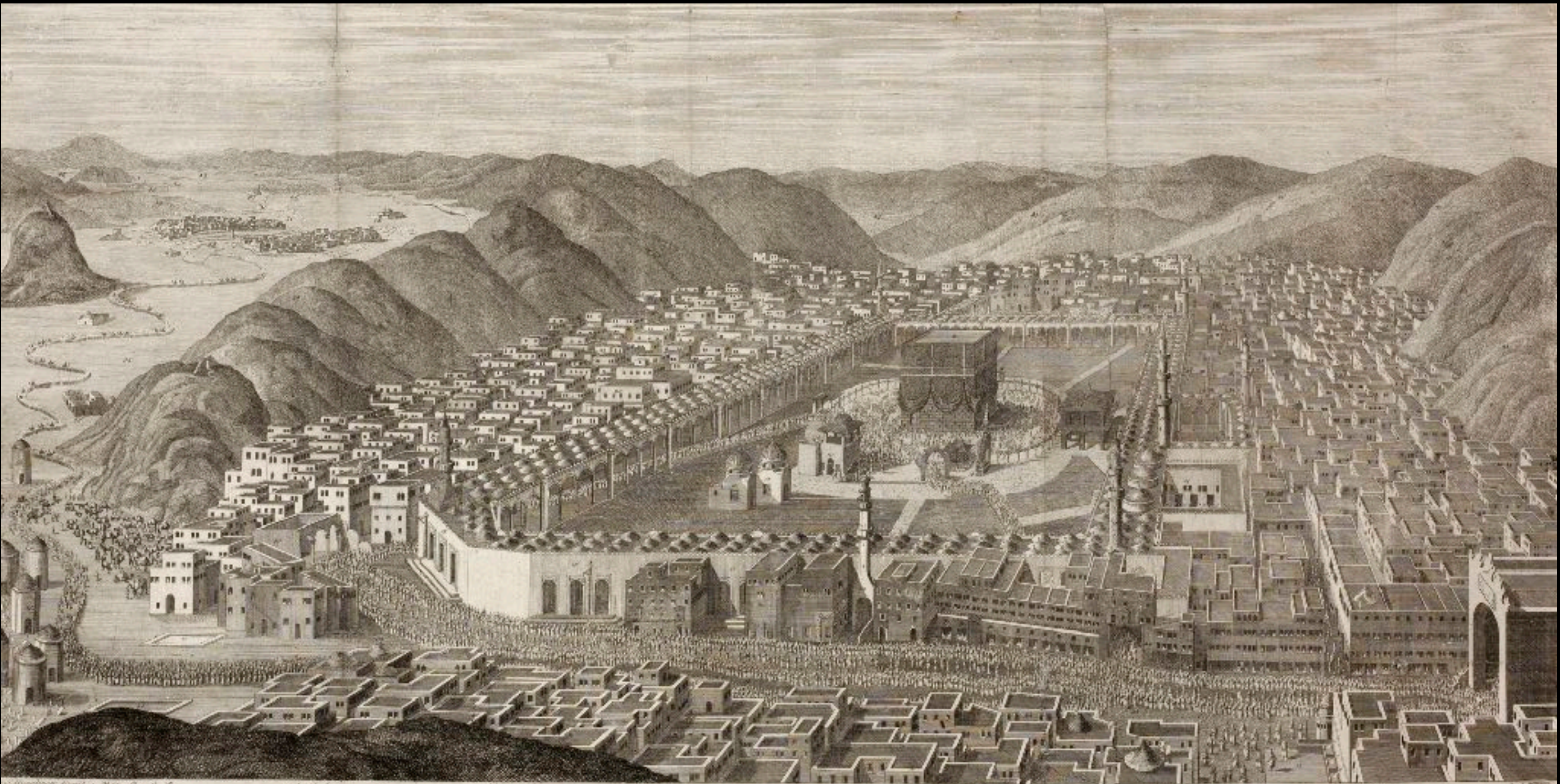
British Indian Empire 1909



NOTE TO COLOURING

- HINDUS
- MUSLIMS
- BUDDHISTS
- CHRISTIANS
- ANIMISTS

Longitude East 88 from Greenwich



1. Masjid al-Haram
 2. Masjid al-Nabawi
 3. Masjid al-Aqsa
 4. Masjid al-Khalifa
 5. Masjid al-Farooq
 6. Masjid al-Jam'ah
 7. Masjid al-Taqi
 8. Masjid al-Muhsin
 9. Masjid al-Muhsin
 10. Masjid al-Muhsin

11. Masjid al-Muhsin
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 29. Masjid al-Muhsin
 30. Masjid al-Muhsin

كعبة الله العلي

31. Masjid al-Muhsin
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 59. Masjid al-Muhsin
 60. Masjid al-Muhsin

Modern Historical Map of Mecca

<https://worldmap.harvard.edu/makkahhistorical/>





The 'warp' of this thinking was a totalizing classificatory grid which could be applied with endless flexibility to anything under the states real or contemplated control: peoples, regions, religions, languages, products, monuments, and so forth.

Benedict Anderson, pg 8

**And yet, if we are to make maps and visualizations,
and communicate features about the world, we rely
on data.**

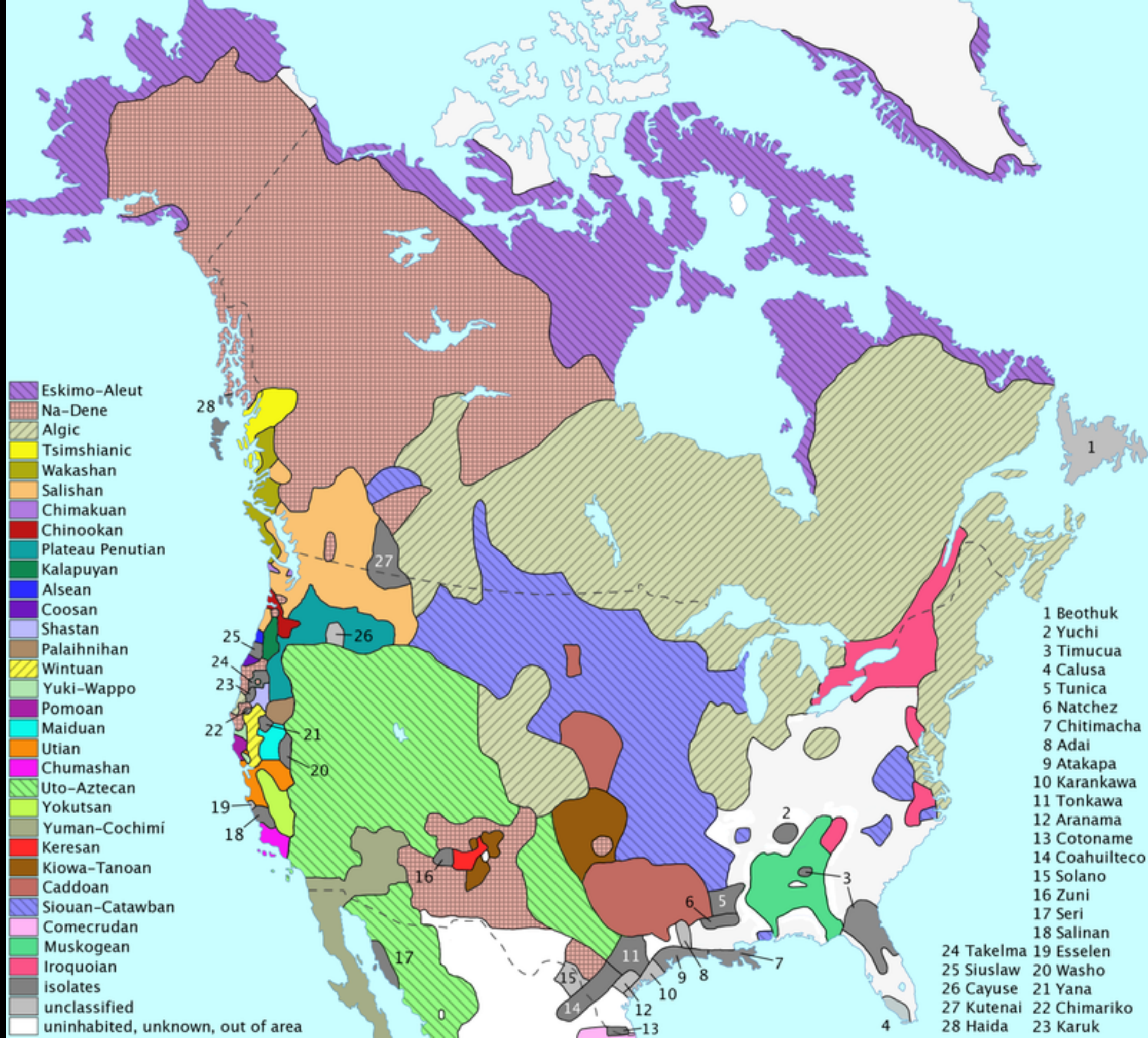
What is Data?

What types of things can be considered 'data'?

Qualitative versus Quantitative

**Should qualitative
data be counted?**

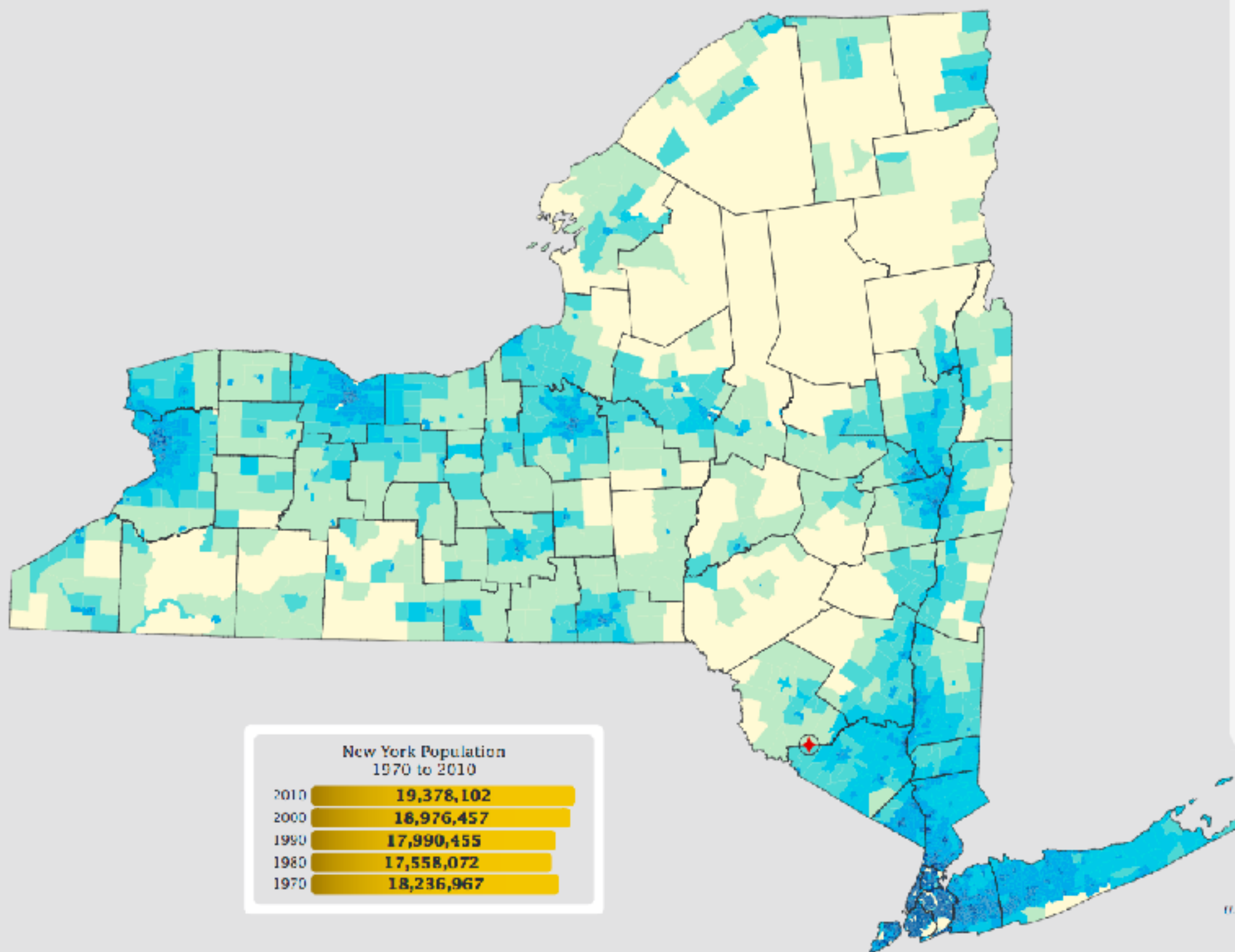
Why and how?



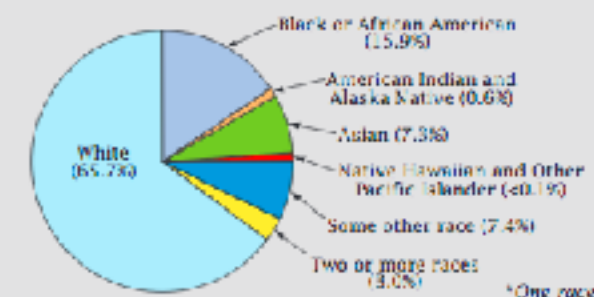


2010 Census: New York Profile

Population Density by Census Tract

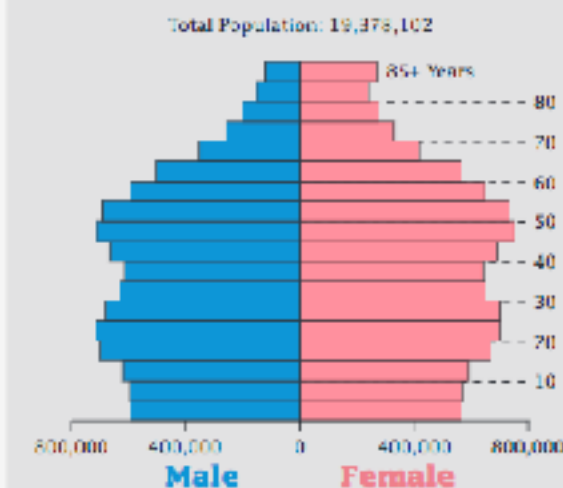


State Race* Breakdown

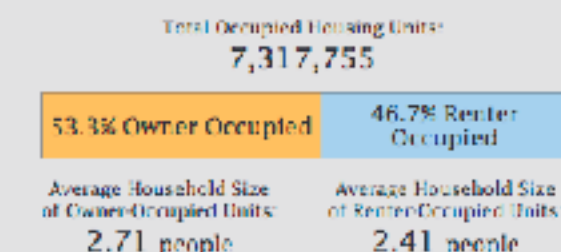


Hispanic or Latino (of any race) makes up 17.6% of the state population.

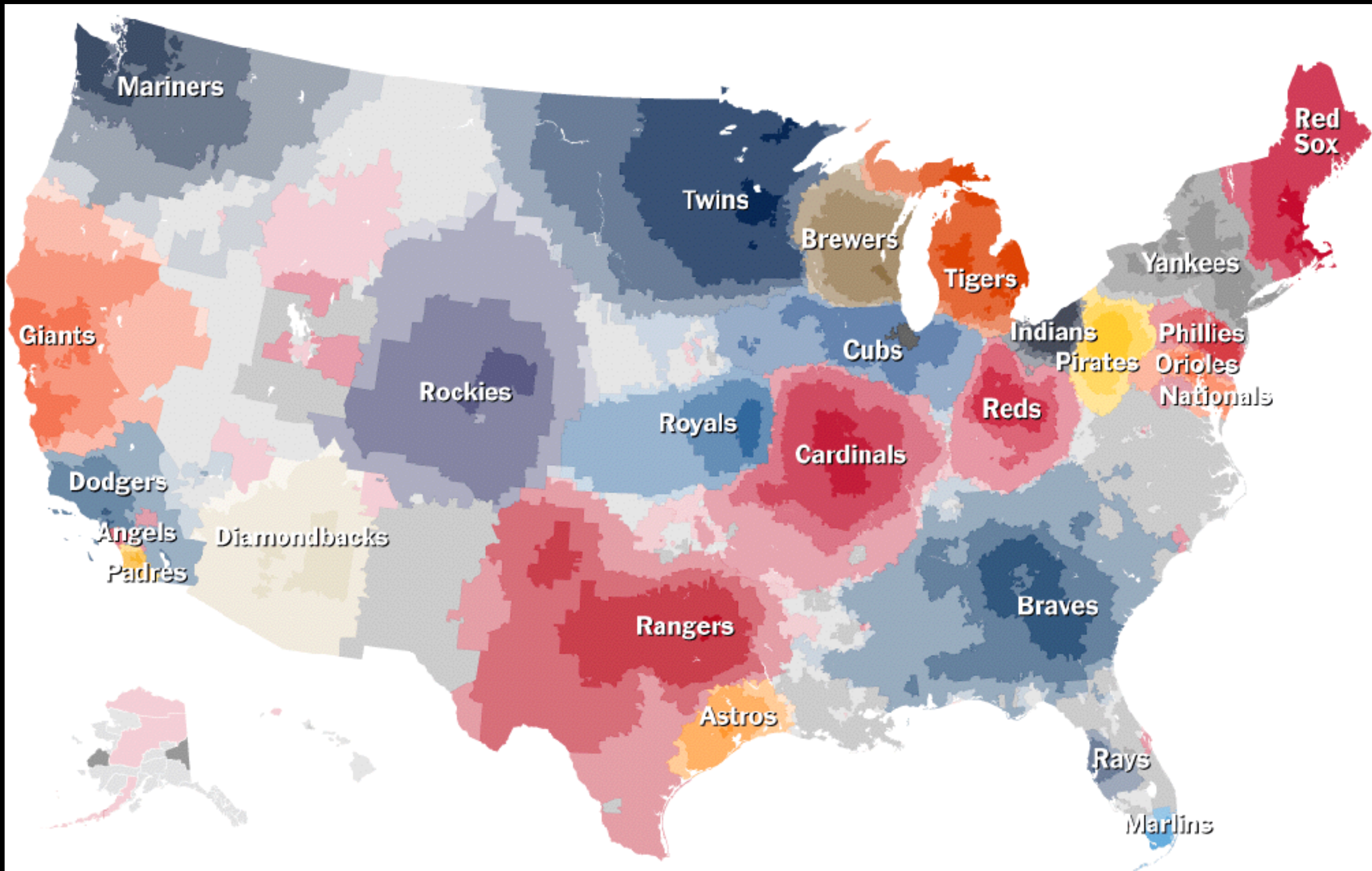
Population by Sex and Age



Housing Tenure



Up Close on Baseball's Borders - NYTimes 23 April 2014



Combining qualitative and quantitative

Language in NYC

<http://queenslanguagemap170822.herokuapp.com/>

Story Maps

<https://storymaps.arcgis.com/en/>

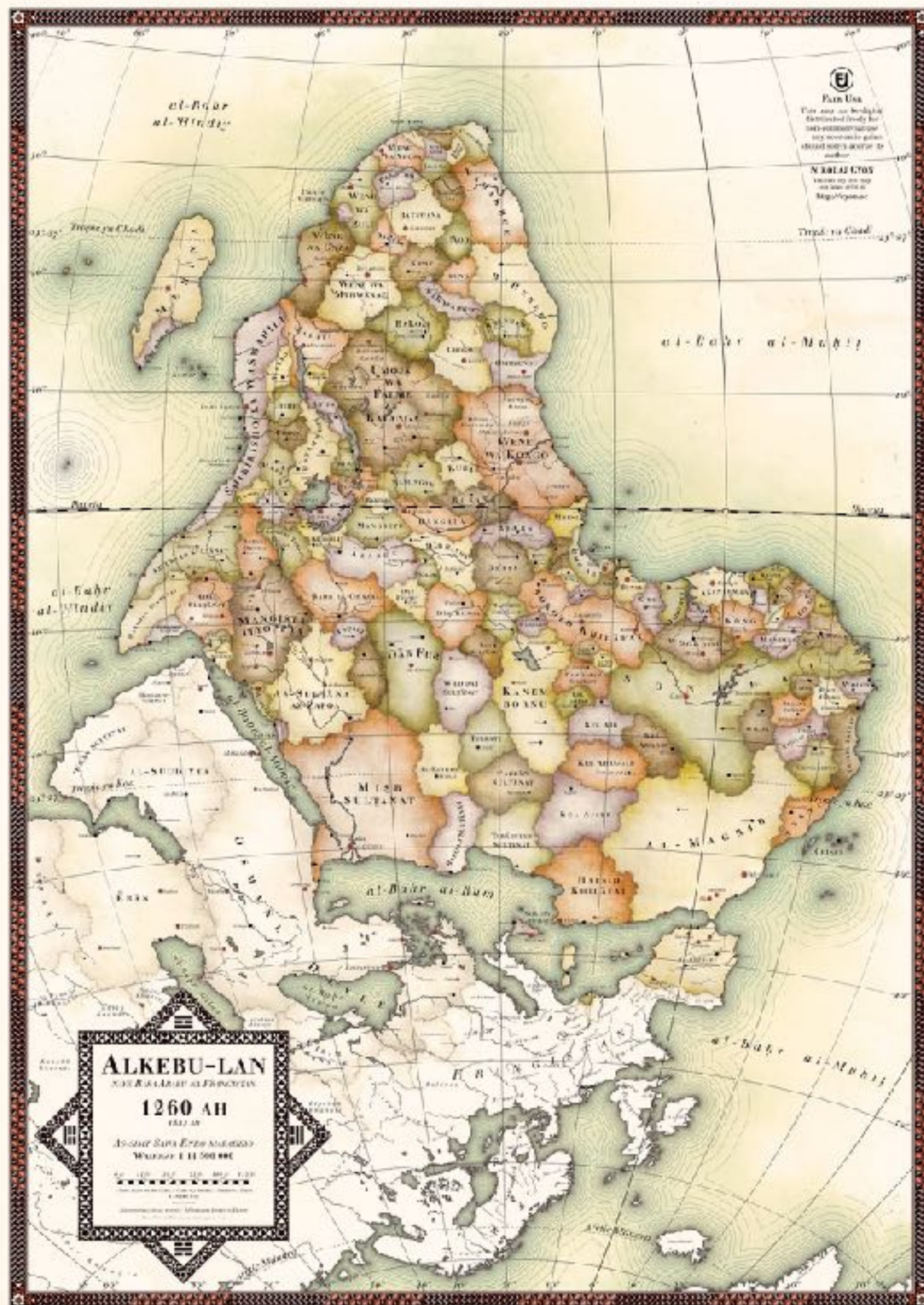
Visualization Techniques

Quantitative

- Choropleth
- Dot Density
- Cartogram
- Heatmaps

Qualitative

- Colors
- Images
- Interactive features
(i.e., popups, sliders,
timelines, etc.)



Census Tutorial