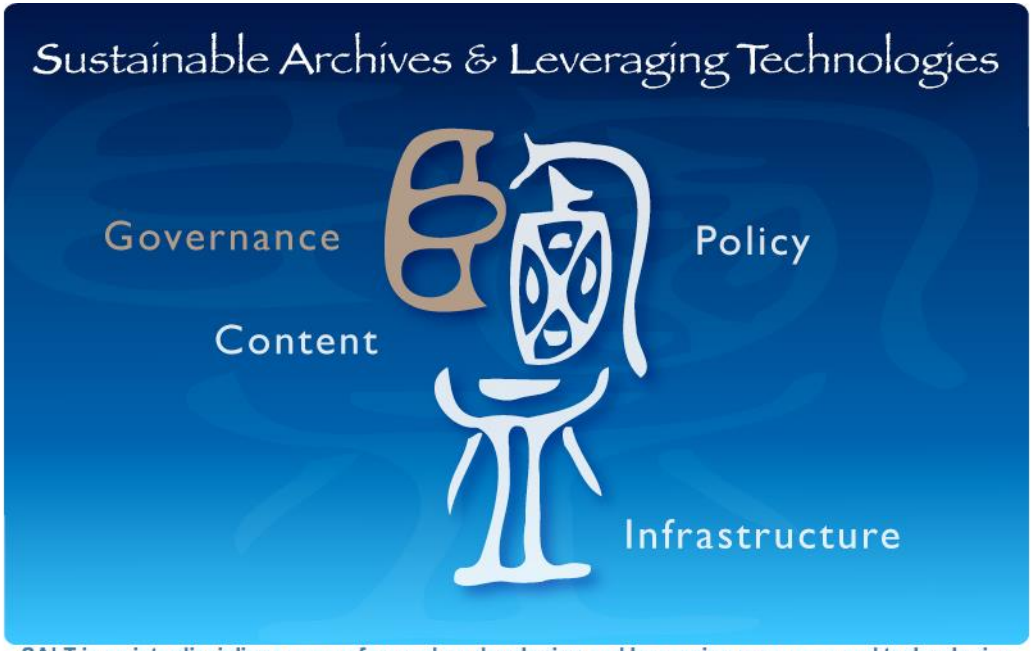
1. Who are you and what are you doing with visualization? What are you passionate about?

Richard Marciano

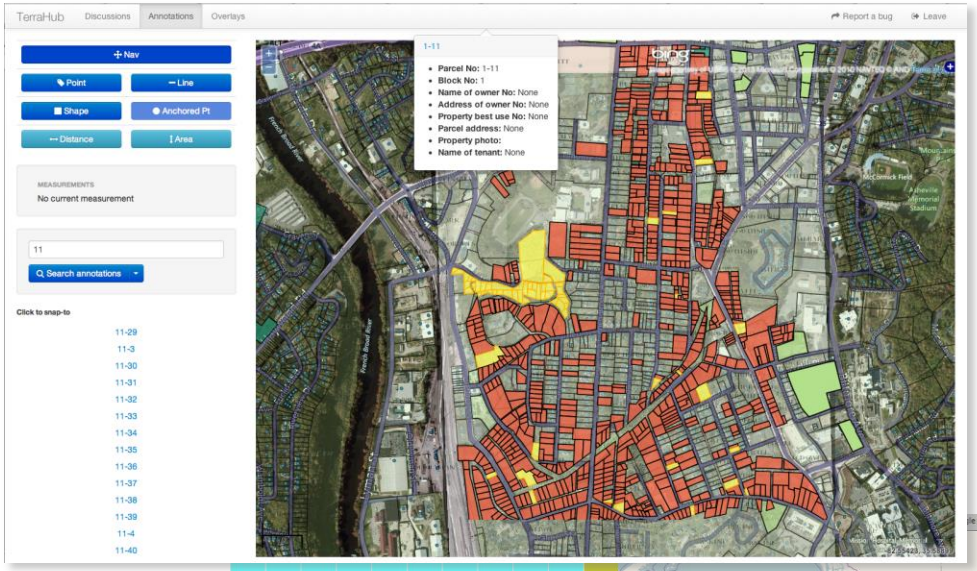
Professor *at UNC Chapel Hill (iSchool)*

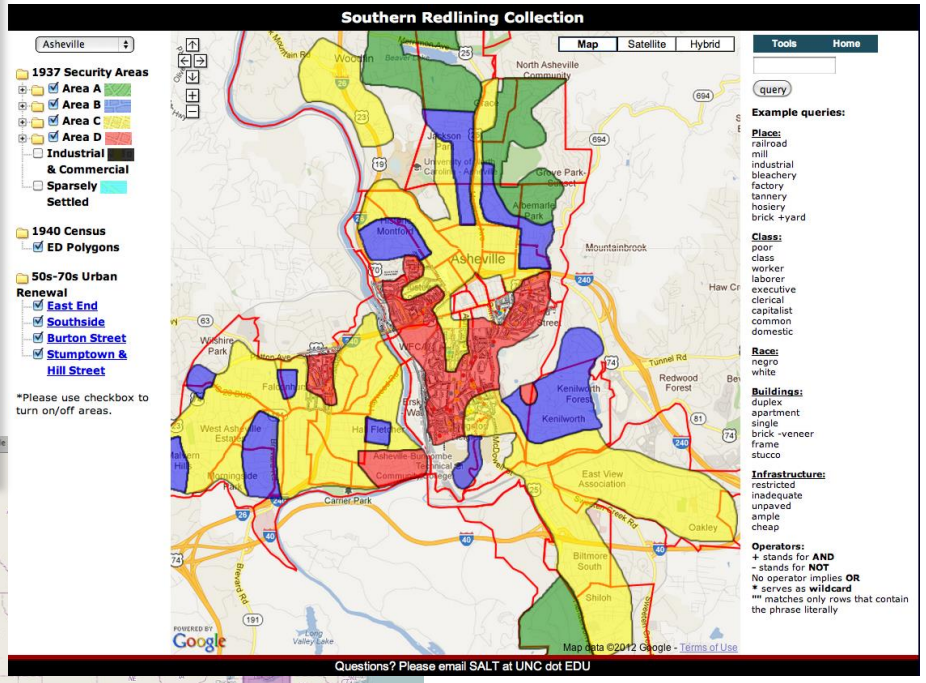
Director *of Sustainable Archives and Leveraging Technologies (SALT) lab*

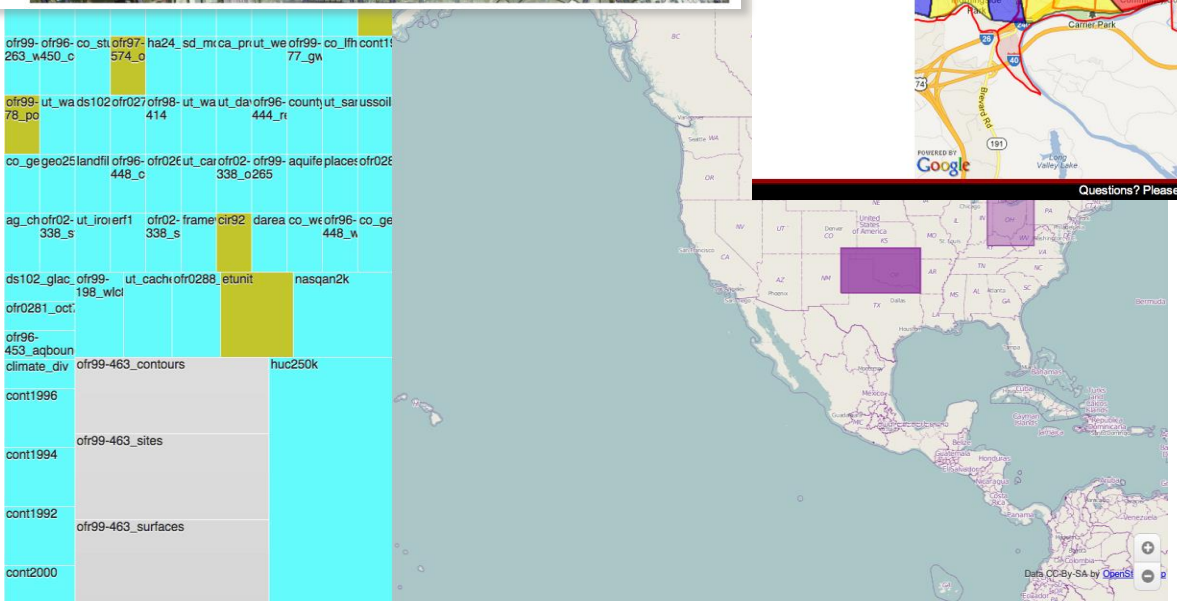


VISUALIZATION:

- geospatial visualization
- social justice and humanities visualization
- visualization with very large heterogeneous (archival) collections

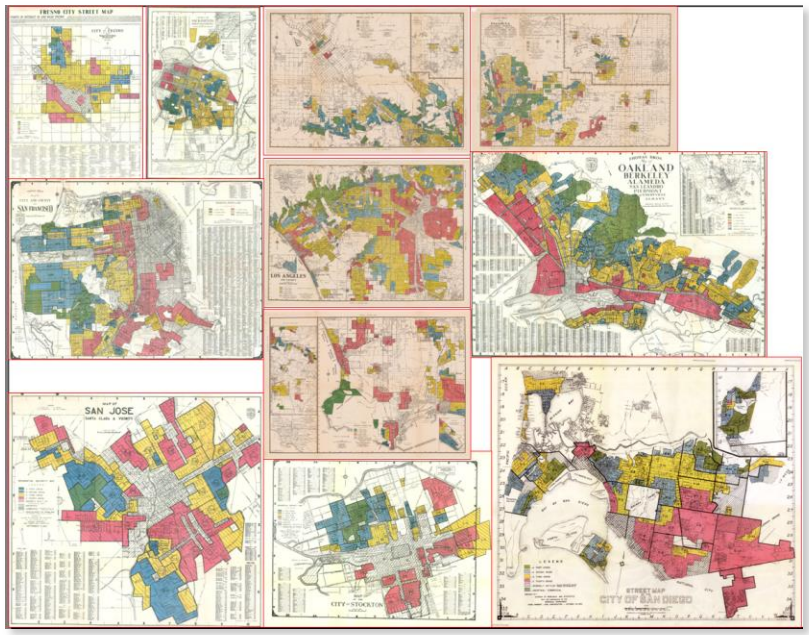


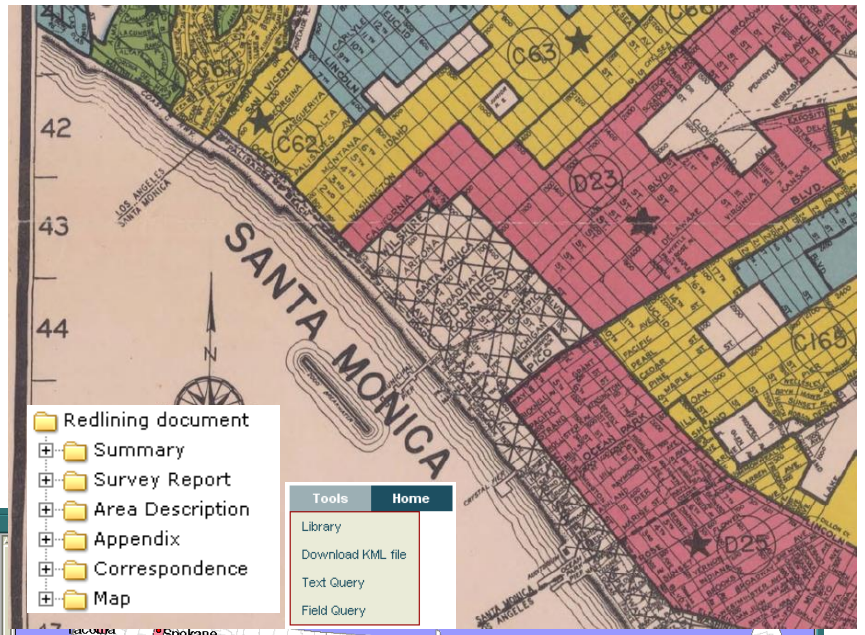


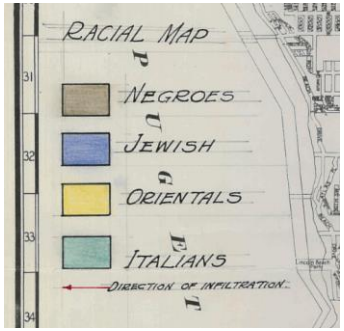


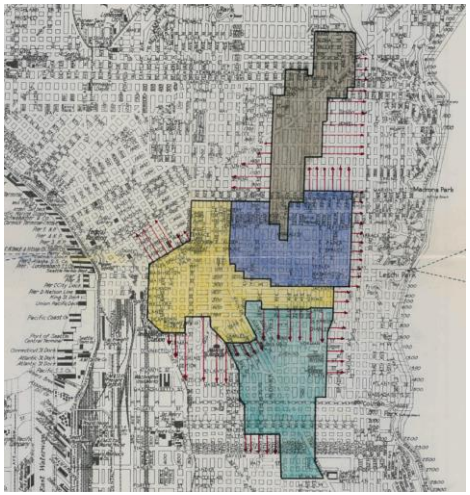
PASSION:

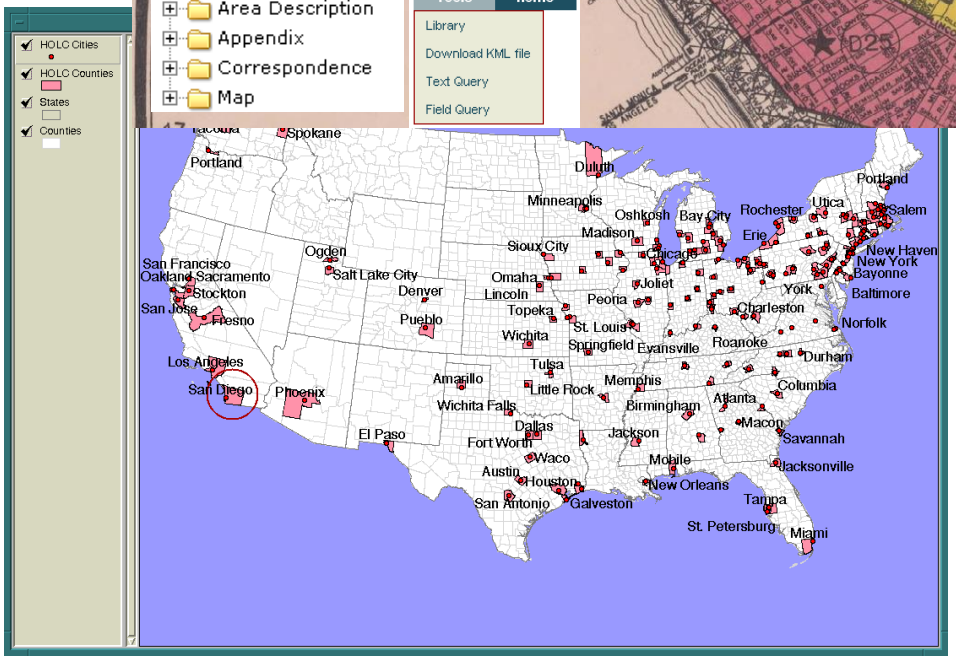
- **Big** *Humanities* **Data**: http://bighumanities.net
  - "Mapping Inequality: Redlining in New Deal America"
    - with: Virginia Tech, Johns Hopkins, and Richmond U.











2. What are your current challenges in your work?

The Challenge of Interdisciplinary Work:

LIBRARY version (Apr. 11):

UNC Librarian Will Lead Grant To Ensure Future of Artists' Archives in North Carolina

iSCHOOL version (Apr. 15):

SILS Adjunct Professor Heather Gendron, Professor Marciano and Other UNC Researchers Receive Grant To Ensure Future of Artists' Archives in North Carolina

See: *http://sils.unc.edu/news/2014/art-archives-grant*

ART LIBRARY version (Apr. 16):

Art History Faculty part of team that receives grant to ensure future of artists' archives in North Carolina

LOCAL PRESS version – The Herald Sun:

Grant aims to ensure future of N.C. artists' archives

3. What is on your wish list?

Creating a data observatory

- **CI-BER** (CyberInfrastructure for Billions of Electronic Records):
  - Funded by NSF/ NARA(2010-2013): ~ $1 million
  - See: http://ci-ber.blogspot.com/
  - **Big data management** project based on the integration of heterogeneous datasets:
    a. **Testbed collection** of 100 million files and 50 terabytes of data with content from over 100 federal agencies
    b. Open source collaborative **geo-analytics** prototype
    c. "Citizen-led **crowdsourcing**" prototype

- **NSF:** "Brown Dog", a $10.5M NSF/DIIBs award (2013-2018) -- the "super mutt" of software:
  - http://go.illinois.edu/BrownDog
  - NCSA (Kenton McHenry) + CI-BER (Richard Marciano)
  - Creating a Data Observatory to:
    - Provide access to big data training sets
    - Benefits: Accelerate the development of digital curation algorithms and services
    - What if:
      - Students could be embedded in a major NSF partnership?
      - We used this implementation project as an opportunity to teach students practical digital curation skills?