# Visualize your data on an interactive map

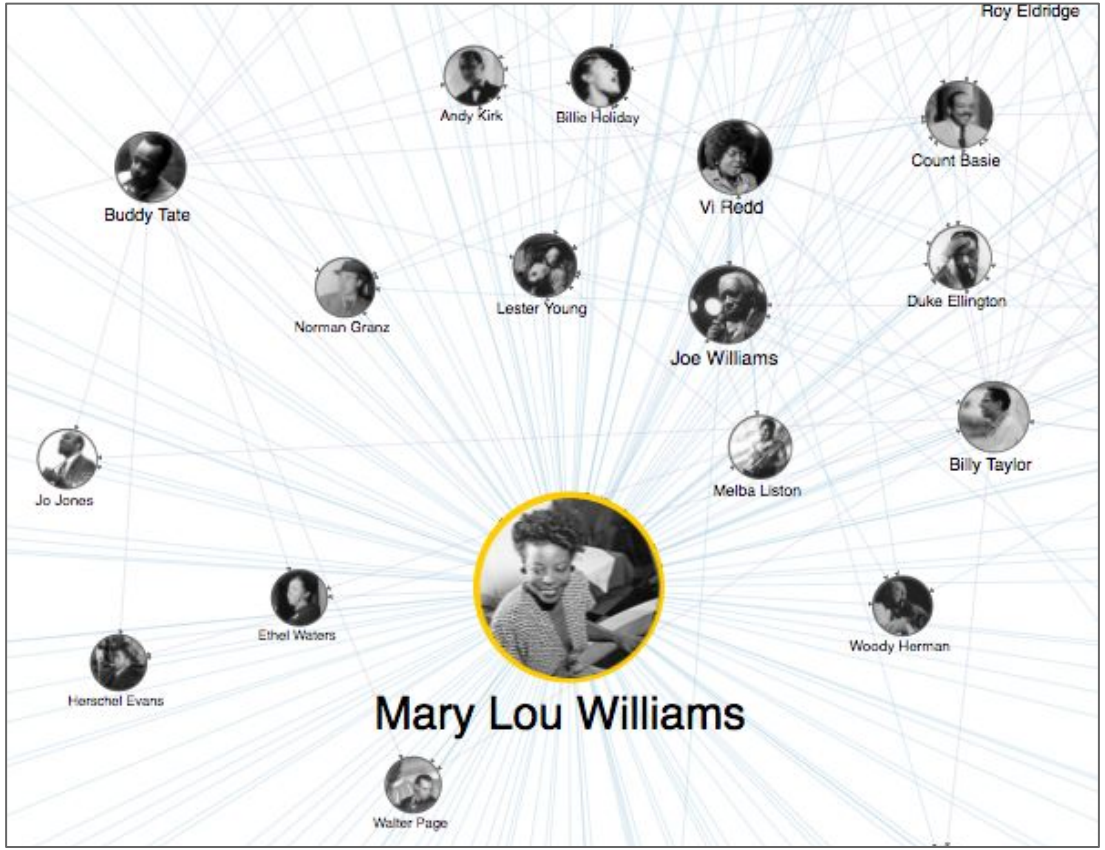
Anna Kijas
Digital Scholarship Librarian
October 24, 2017

**goo.gl/HXrWQA**


CC BY NC

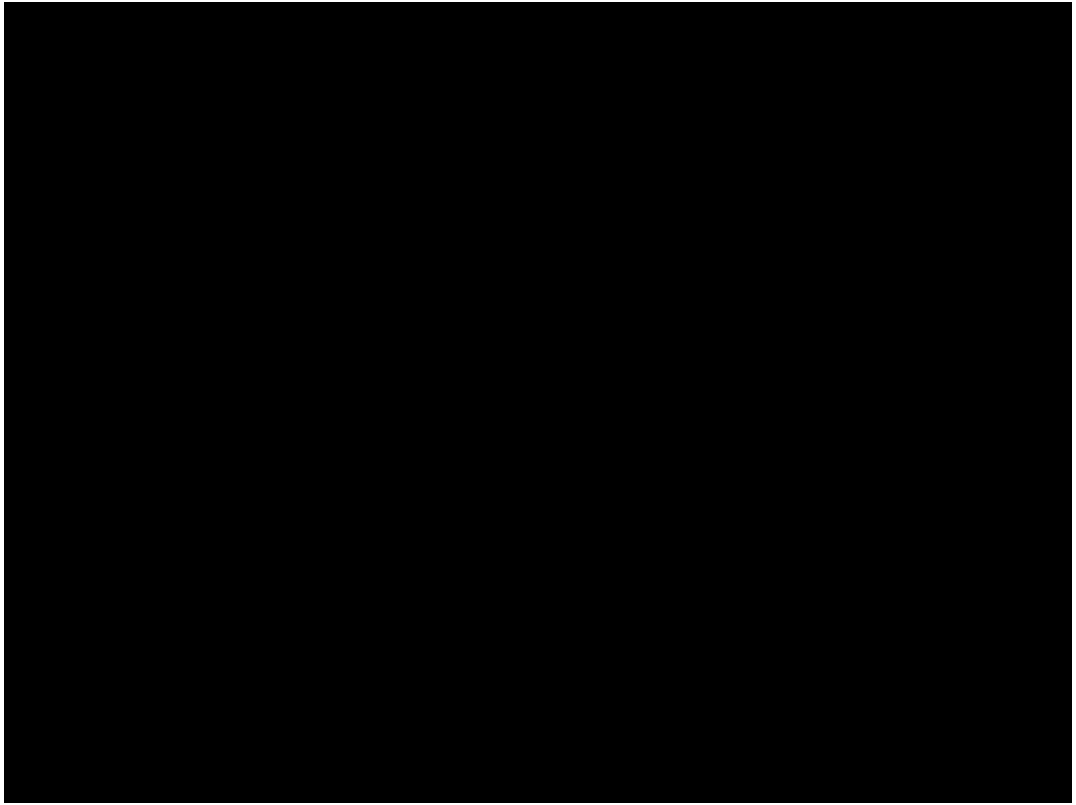
# How & why do we use visualization?

Cristina Pattuelli, *Linked Jazz*. Pratt Institute School of Library Information Science. https://linkedjazz.org/

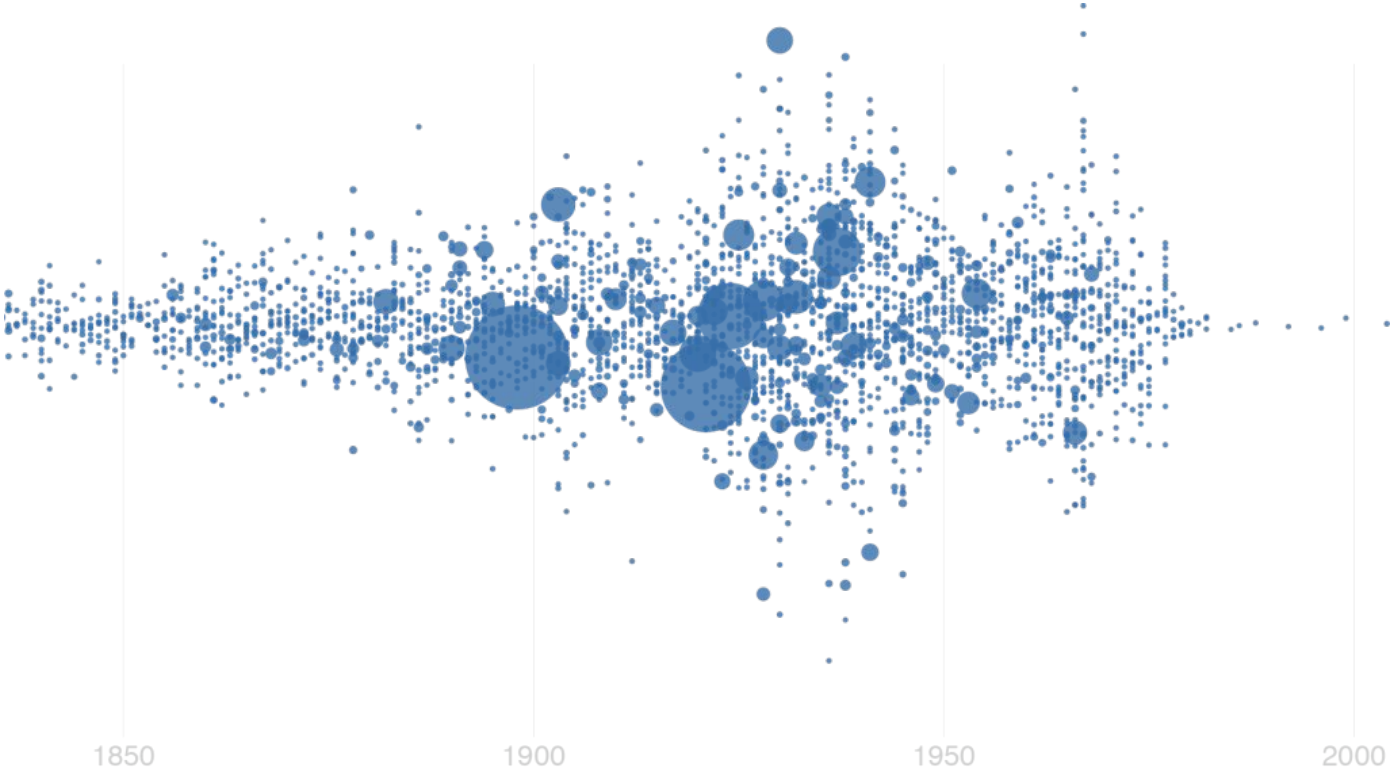



Word cloud based on Jane Austen's novels. https://voyant-tools.org/?corpus=austen

Lindsay King and Peter Leonard, *Robots Reading Vogue*. Yale University. http://dh.library.yale.edu/projects/vogue/slice_histograms/

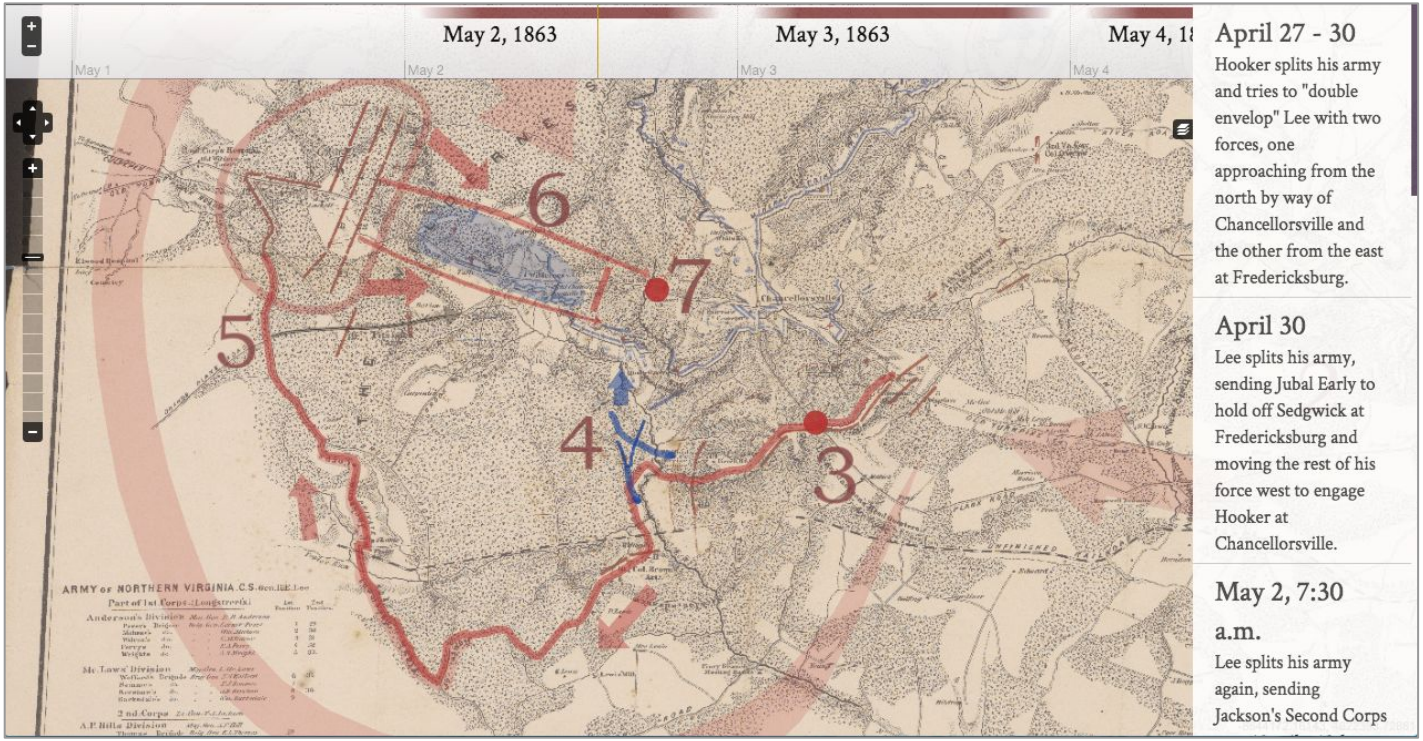


Florian Krautli's visualization of artworks in the Tate collection based on artists birthdates.




http://research.kraeutli.com/index.php/2013/11/the-tate-collection-on-github/

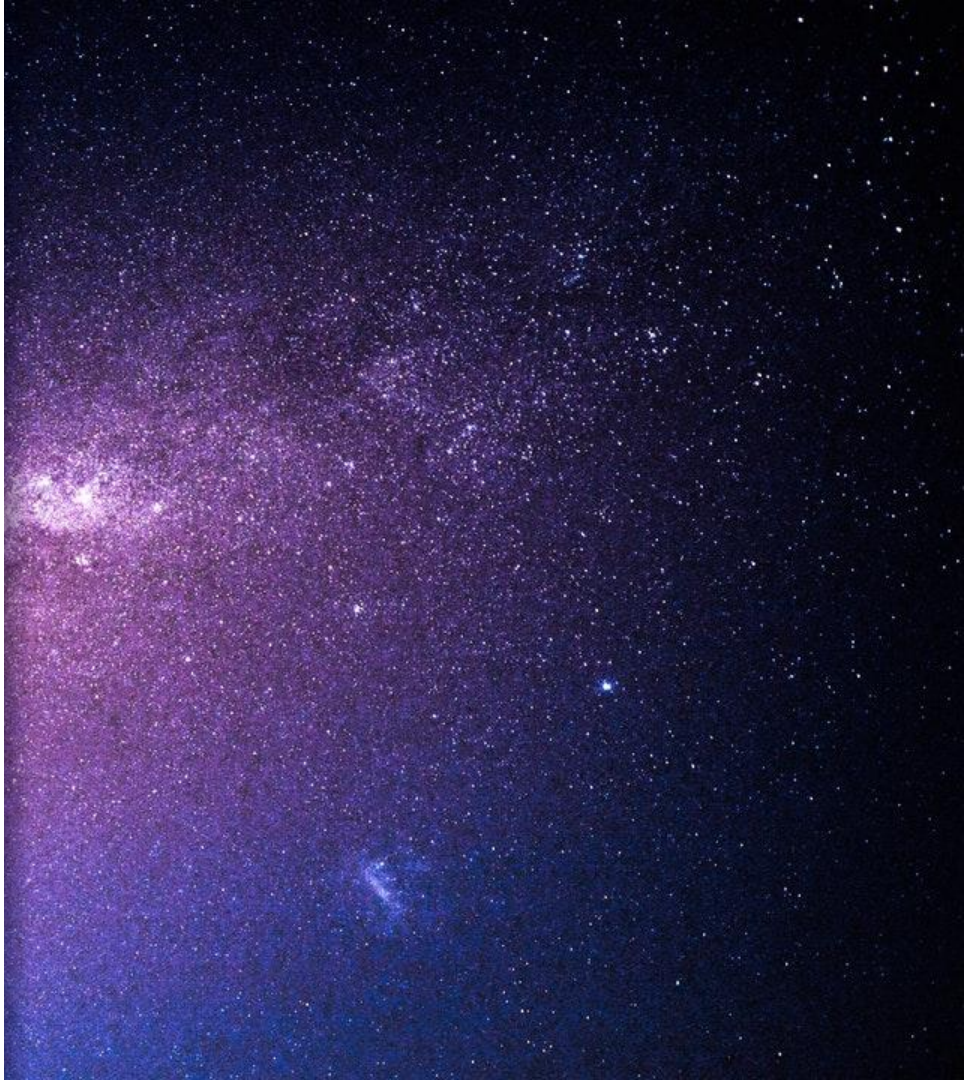
Jedediah Hotchkiss and The Battle of Chancellorsville




http://hotchkiss.neatline.org/neatline-exhibits/show/battle-of-chancellorsville/

# Points, Lines, Polygons...

GIS terms demystified



# What about the data...

Attribute data

| Landmark_ Name | Areas_Desi | Address | Neighborho | Full Address1 | Latitude | Longitude |
|---|---|---|---|---|---|---|
| Arlington Street Church | Exterior only (Parcel 1227) | 355 Boylston Street | Back Bay | 355 Boylston Street Back Bay Massachusetts | 42.3520023 | -71.071527199 99999 |
| James Blake House | Exterior & Interior (parcel 2942) | 210 East Cottage Street | Dorchester | 210 East Cottage Street Dorchester Massachusetts | 42.3196471 | -71.0605344 |
| International Trust Company Building | Exterior only (parcel 4662) | 45 Milk Street | Boston | 45 Milk Street Boston Massachusetts | 42.3565597 | -71.057575399 99999 |
| Austin Block | Exterior only (Parcel 3686) | 90-92 Main Street | Charlestown | 90-92 Main Street Charlestown Massachusetts | 42.373766 | -71.063141 |
| Theodore Parker Unitarian Church | Exterior and windows | 1851 Centre Street | West Roxbury | 1851 Centre Street West Roxbury Massachusetts | 42.2863087 | -71.1544552 |

Spatial data

# Let's look at our data

Go to:
github.com/BCDigSchol/coffee-code

- Select *Carto-2017-Fall* and open *exercise-1.md*
- Open *datasets* folder
  - Download datasets and add to Google Sheets to view

# Things to consider...

1. What are you trying to visualize?
   a. Attribute & spatial data
   b. Images, historical maps?


CSV


Shapefile

2. Where is your data drawn from?
   a. Did you collect your own data or download from a source?
   b. Do you need to georeference your locations?

3. How will you clean or format your data?

4. Which tool(s) are most applicable to your needs?


Exercise
Let's make a map!
Navigate to **carto.com**

# Reflections & Discussion

# Credits

Special thanks to all the people who made and released these awesome resources for free:

- Presentation template by SlidesCarnival
- Photographs by Unsplash