

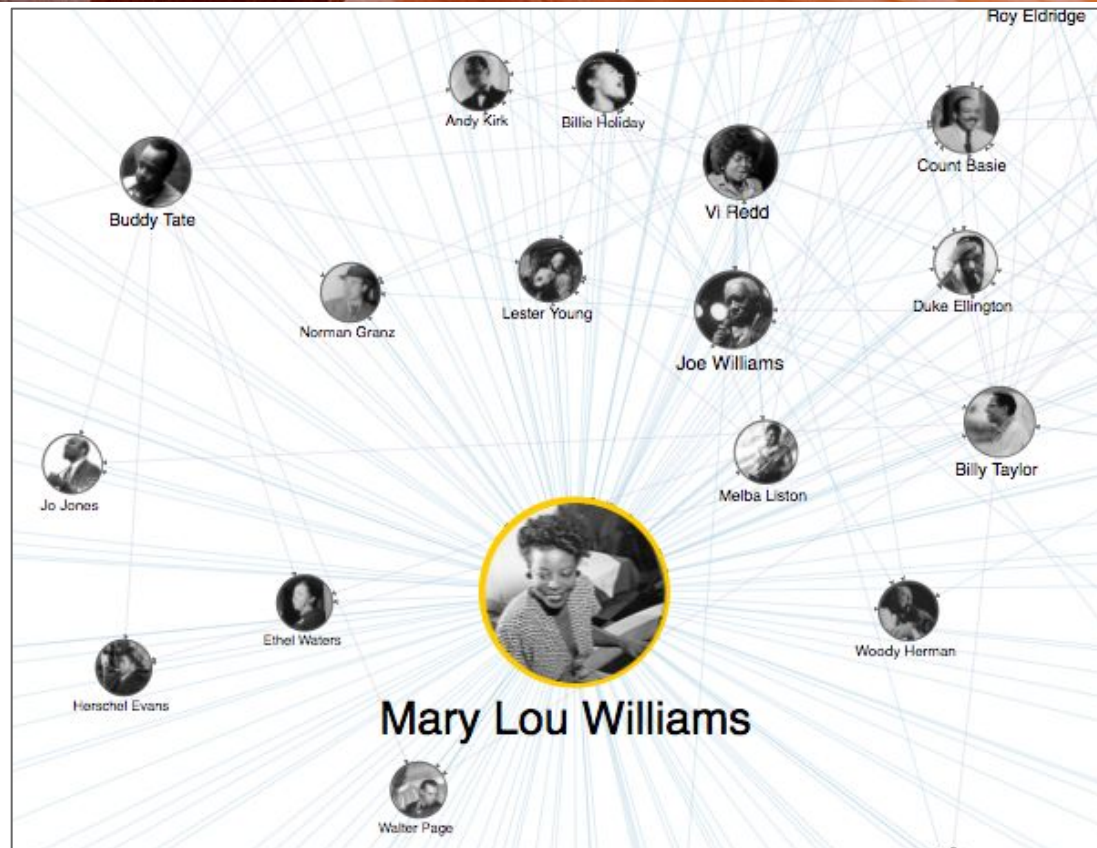
Visualizations: Spatial & Temporal

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Digital Scholarship Incubator | Boston College
October 2, 2017





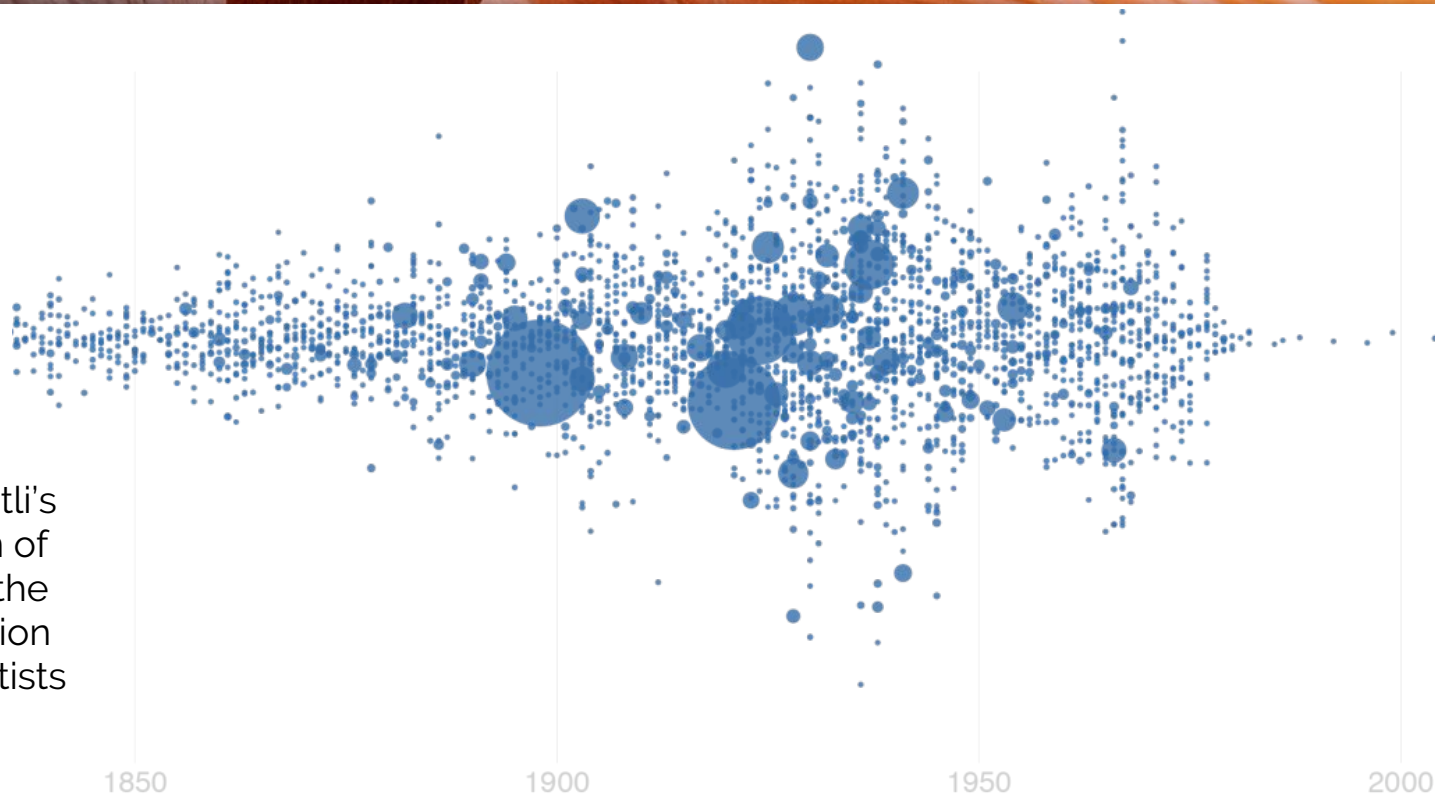
How & why do we use
visualizations?





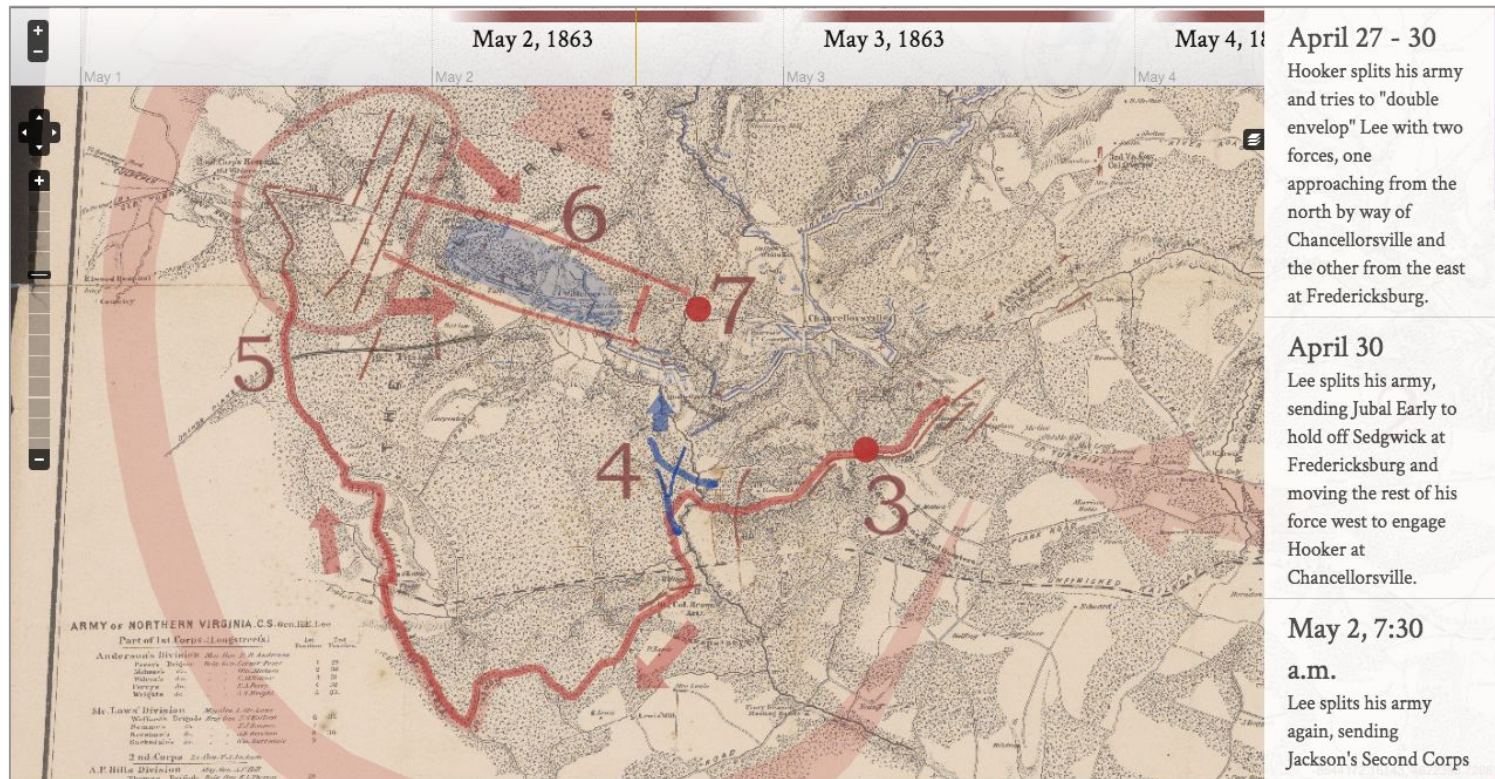
Lindsay King and Peter Leonard, *Robots Reading Vogue*. Yale University.

http://dh.library.yale.edu/projects/vogue/slice_histograms/



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

Jedediah Hotchkiss and The Battle of Chancellorsville



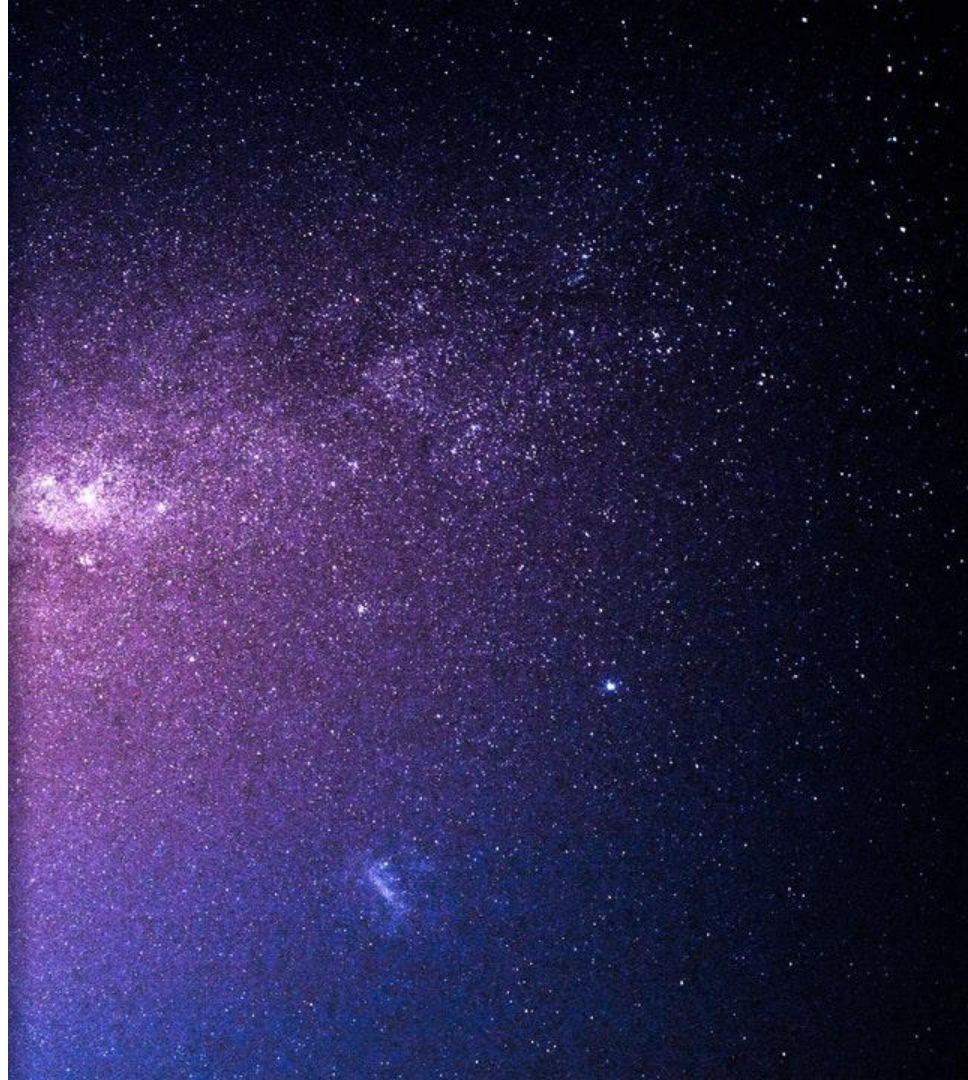
April 27 - 30
 Hooker splits his army and tries to "double envelop" Lee with two forces, one approaching from the north by way of Chancellorsville and the other from the east at Fredericksburg.

April 30
 Lee splits his army, sending Jubal Early to hold off Sedgwick at Fredericksburg and moving the rest of his force west to engage Hooker at Chancellorsville.

May 2, 7:30 a.m.
 Lee splits his army again, sending Jackson's Second Corps

Points, Lines, Polygons...

GIS terms demystified



What about the data...

Attribute
data

Landmark_ Name	Areas_Des	Address	Neighborhood	Full Address1	Latitude	Longitude
Arlington Street Church	Exterior only (Parcel 1227)	355 Boylston Street	Back Bay	355 Boylston Street Back Bay Massachusetts	42.3520023	-71.0715271999999
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	-71.0575753999999
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



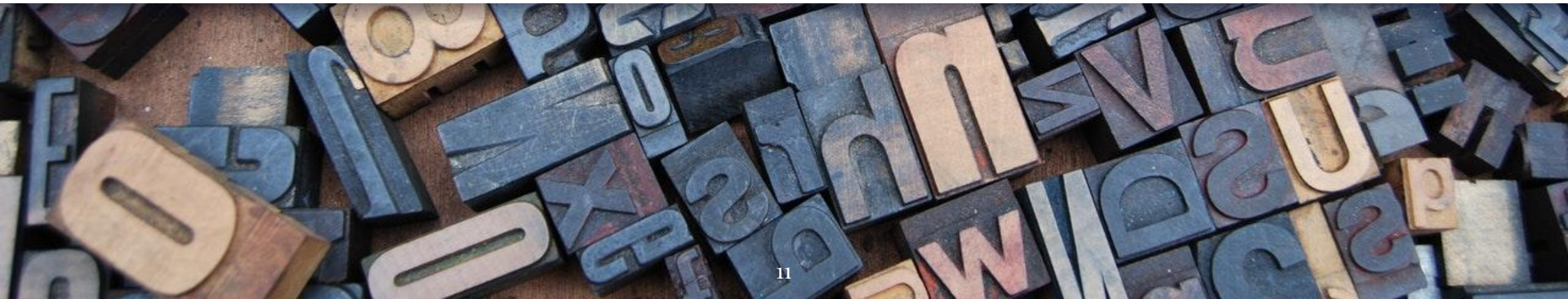
Exercise 1

Critique a visualization project

Navigate to:

<https://github.com/BCDigSchol/DSIncubator>

Select *4_Visualizations* and open *exercise-1.md*



Visualization Projects

Ellis Act Eviction Map

<http://www.antievictionmappingproject.net/ellis.html>

Forced Migration of Enslaved People

<http://dsl.richmond.edu/panorama/forcedmigration/>

Mapping Prohibition

<http://intemperance.org/neatline/show/raids>

The Growth of Newspapers Across the U.S.: 1690-2011

http://web.stanford.edu/group/ruralwest/cgi-bin/drupal/visualizations/us_newspapers

Block by Block, Brooklyn's Past and Present

<http://bklynr.com/block-by-block-brooklyns-past-and-present/>

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?
- b. Did you download from a source?



CSV

3. How will you clean or format your data?

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

A world map is faintly visible in the background, rendered in a light blue color against a darker blue ocean. The map shows the continents of North America, South America, Europe, Africa, Asia, and Australia.

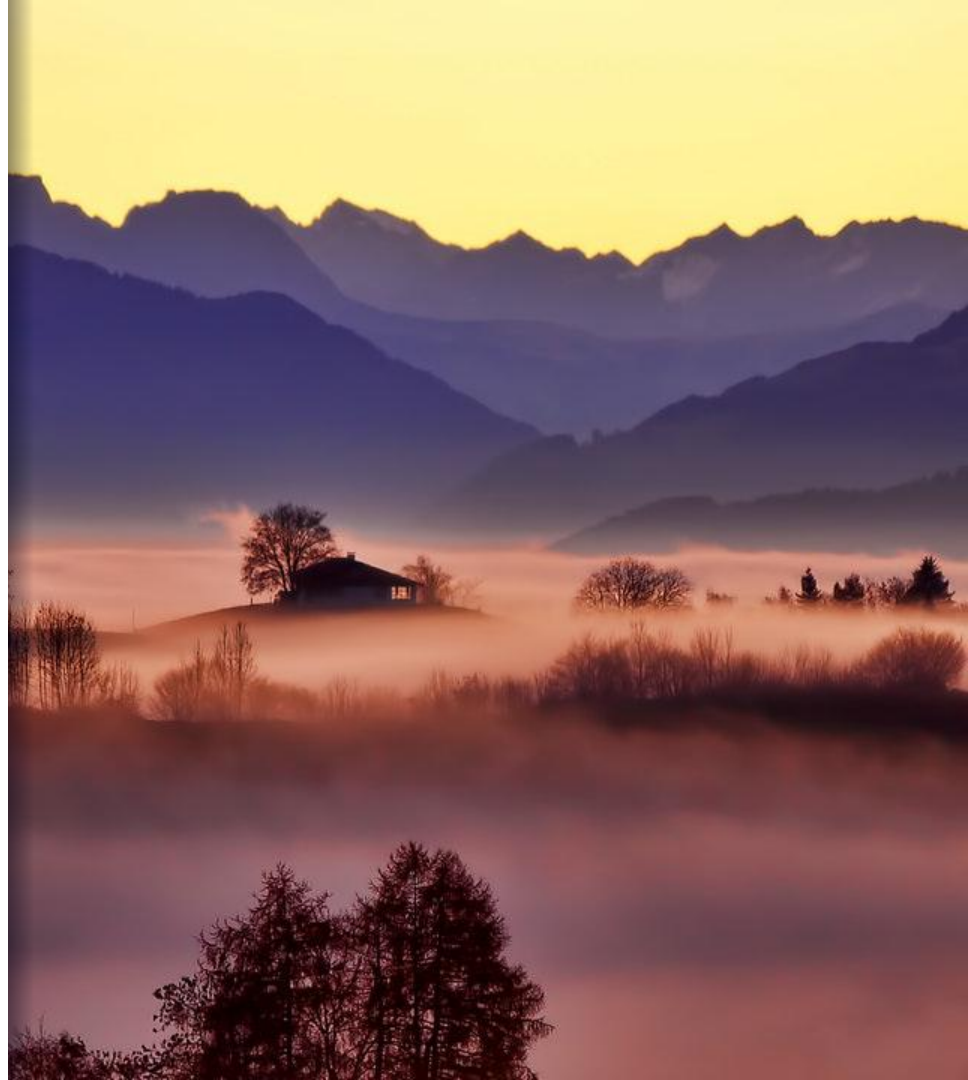
Exercise 2

Create a map

Navigate to:

<https://github.com/BCDigSchol/DSIncubator>

Select *4_Visualizations* and open *exercise-2.md*



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](#)