

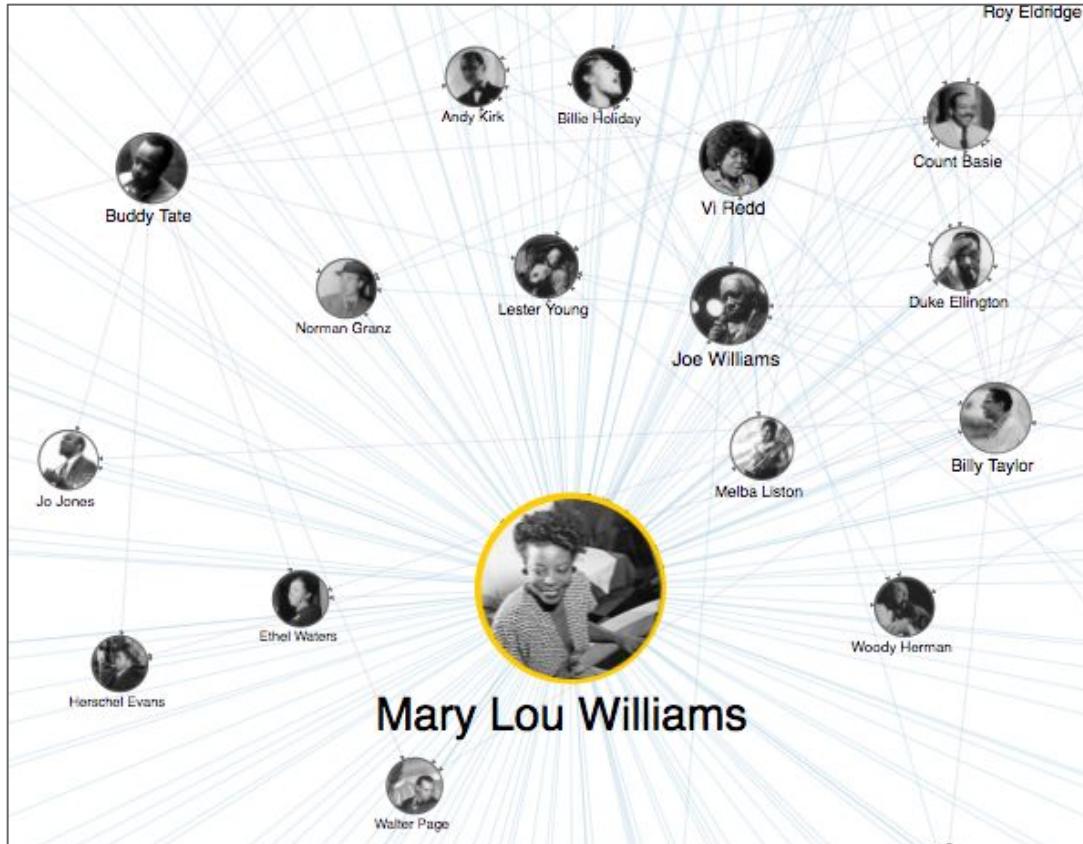
# Visualization: Spatial & Temporal

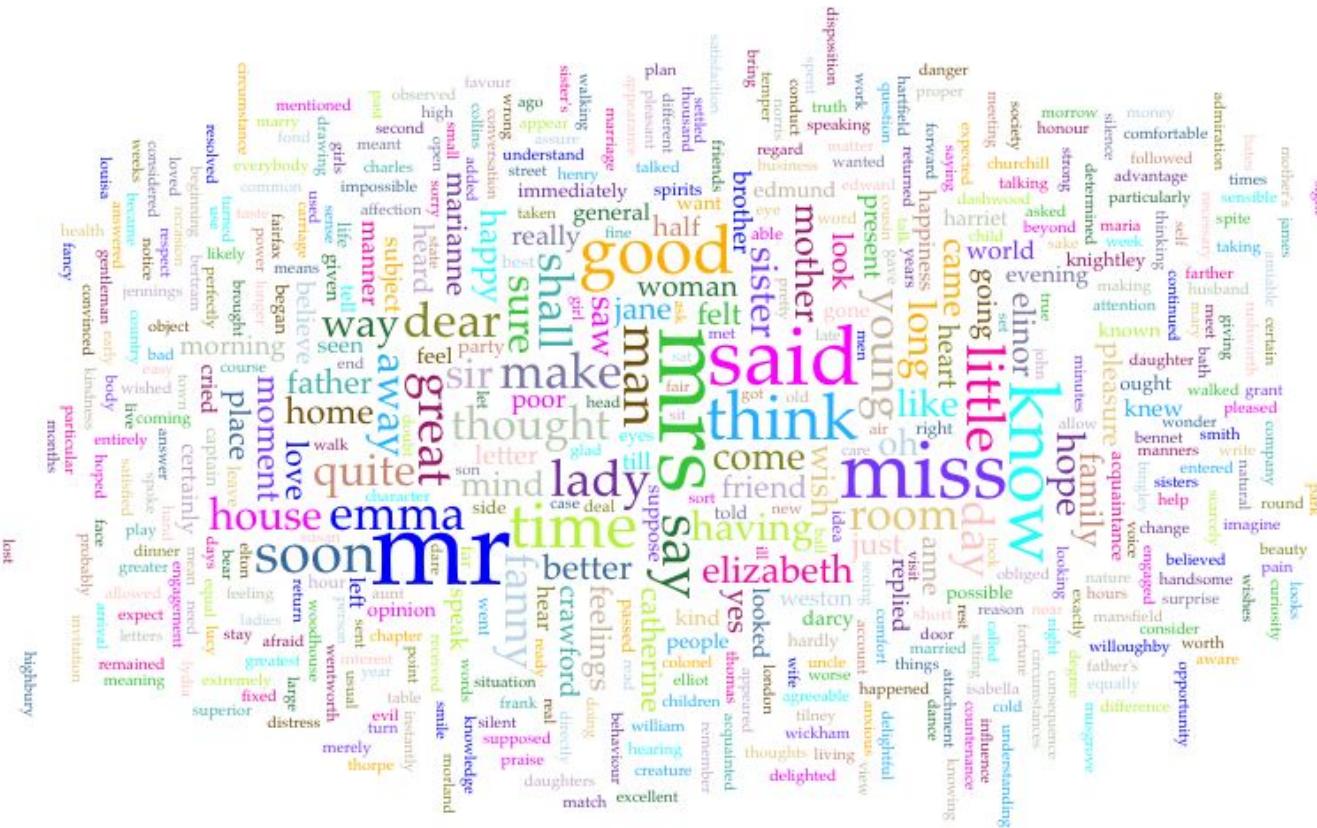
Anna Kijas  
Digital Scholarship Incubator | Boston College  
October 2, 2017



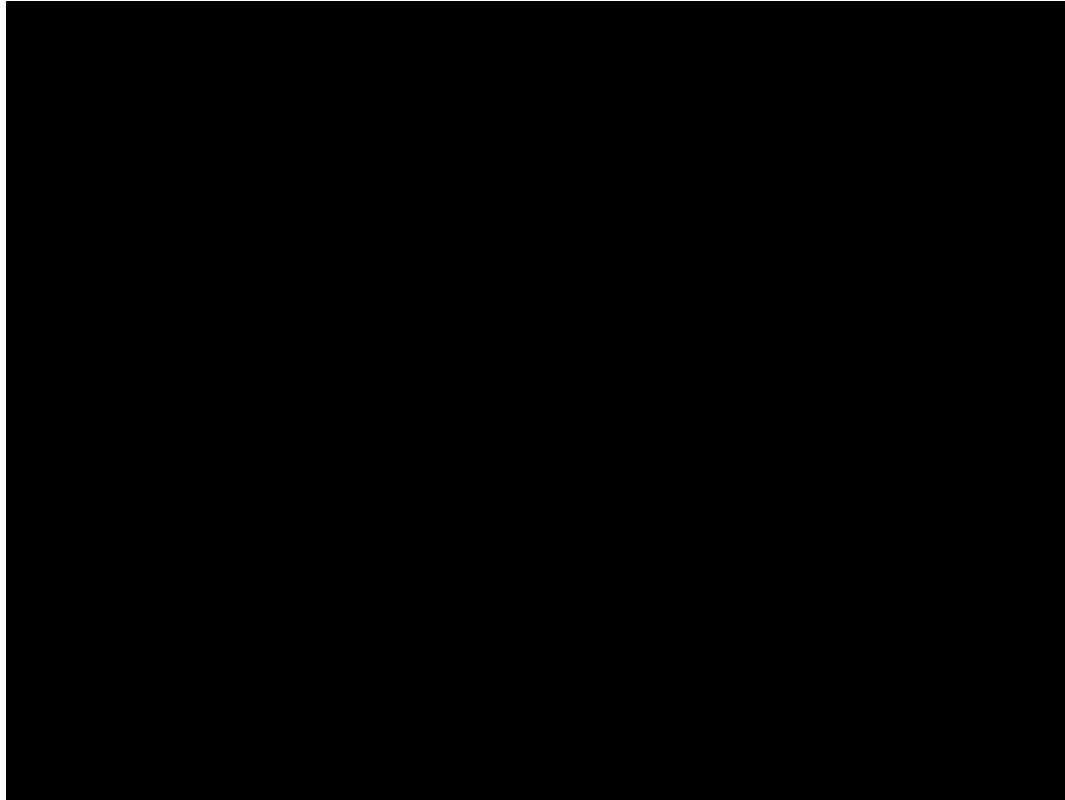


How & why do we use  
visualization?





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

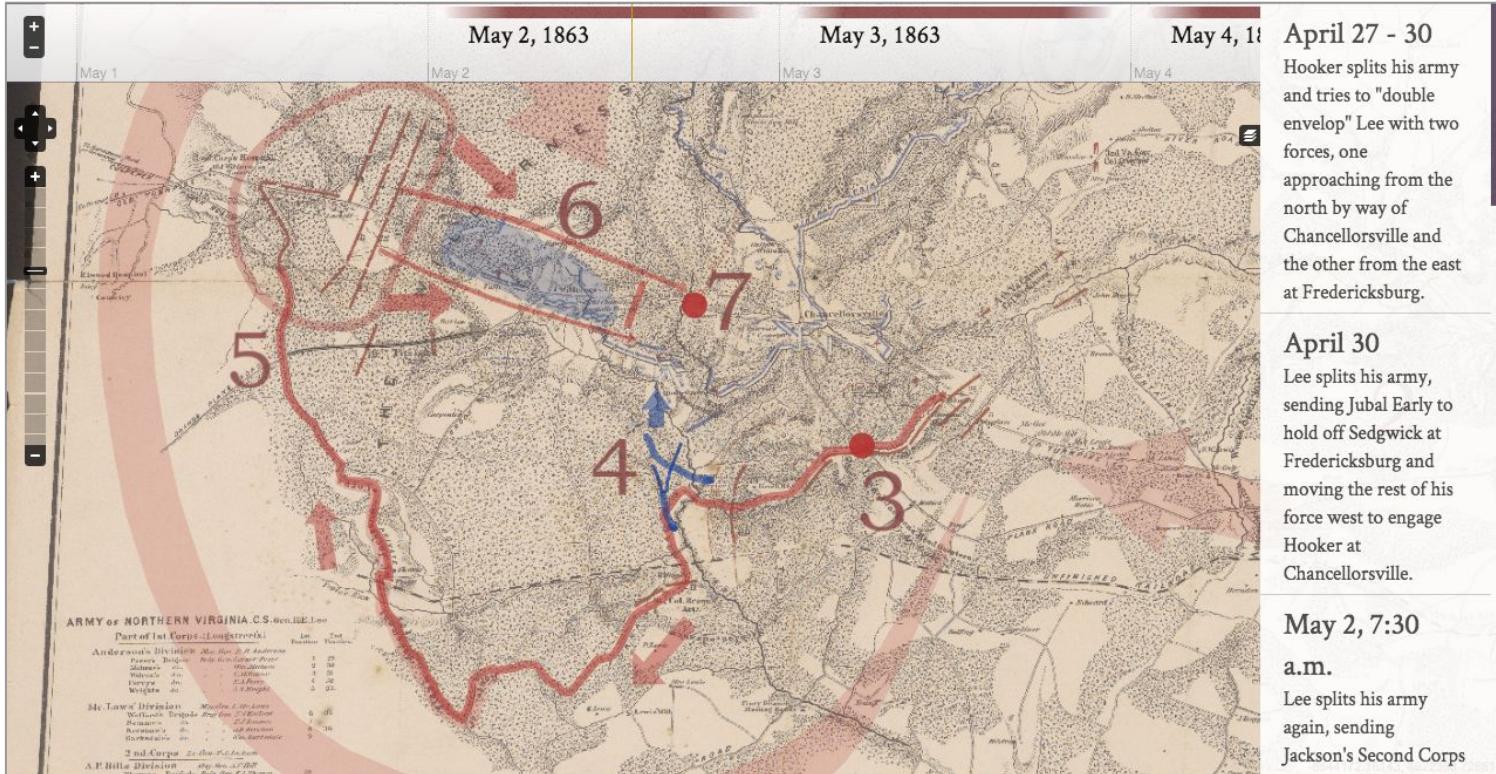


Lindsay King and Peter Leonard, *Robots Reading Vogue*. Yale University.

[http://dh.library.yale.edu/projects/vogue/slice\\_histograms/](http://dh.library.yale.edu/projects/vogue/slice_histograms/)

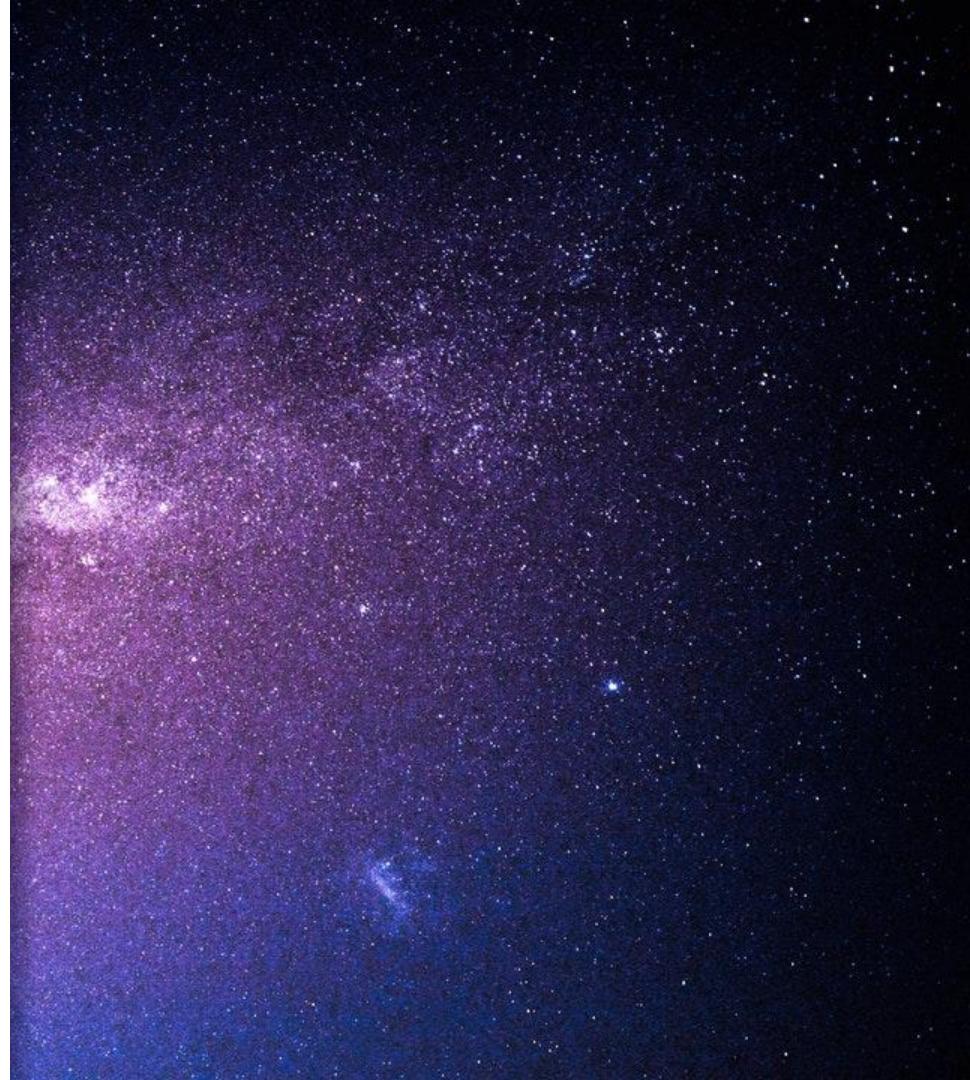


# Jedediah Hotchkiss and The Battle of Chancellorsville



# Points, Lines, Polygons...

GIS terms demystified



# What about the data...

Attribute data

Landmark_Name	Areas_Descrip	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	-71.071527199
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
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](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-brooklyn-past-and-present/>

# Things to consider...

1. What are you trying to visualize?
  - a. Attribute & spatial data
  - b. Images, historical maps?
2. Where is your data drawn from?
  - a. Did you collect your own data?
  - b. Did you download from a source?
3. How will you clean or format your data?
4. Which tool(s) are most applicable to your needs?



CSV



Shapefile



CSV

# 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](#)