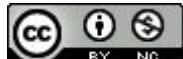


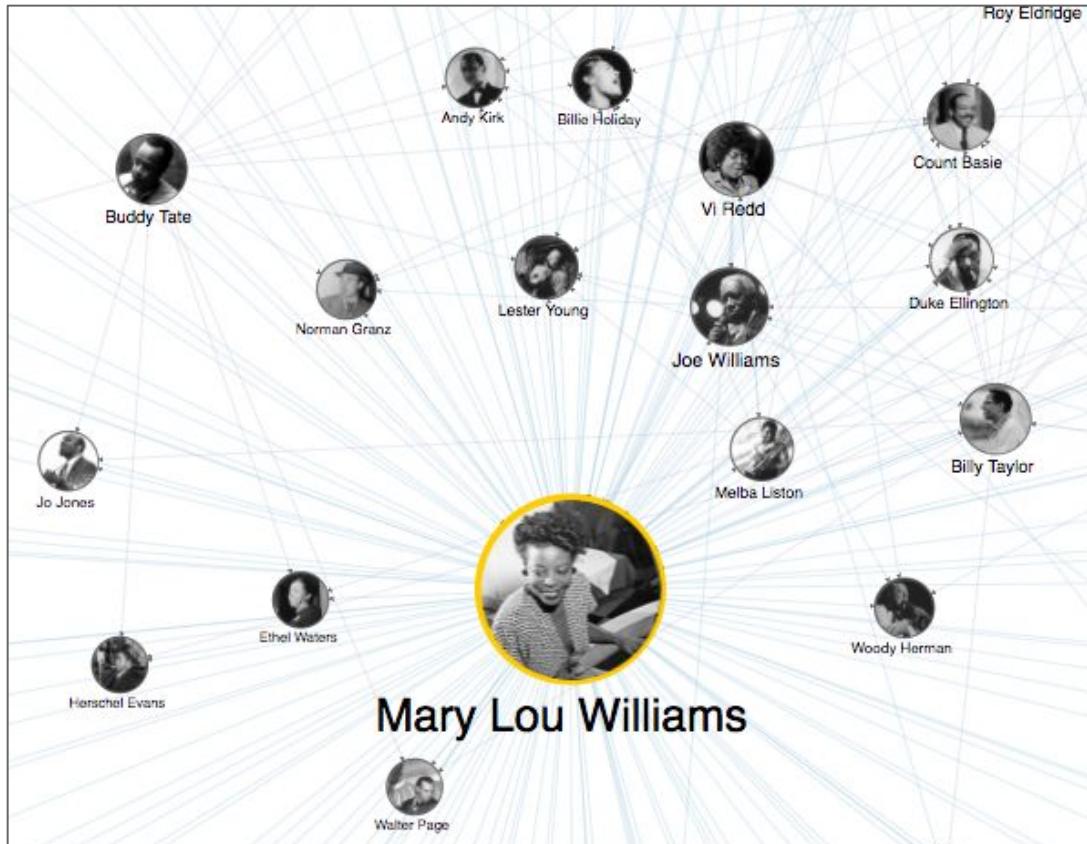
Visualizations: Spatial & Temporal

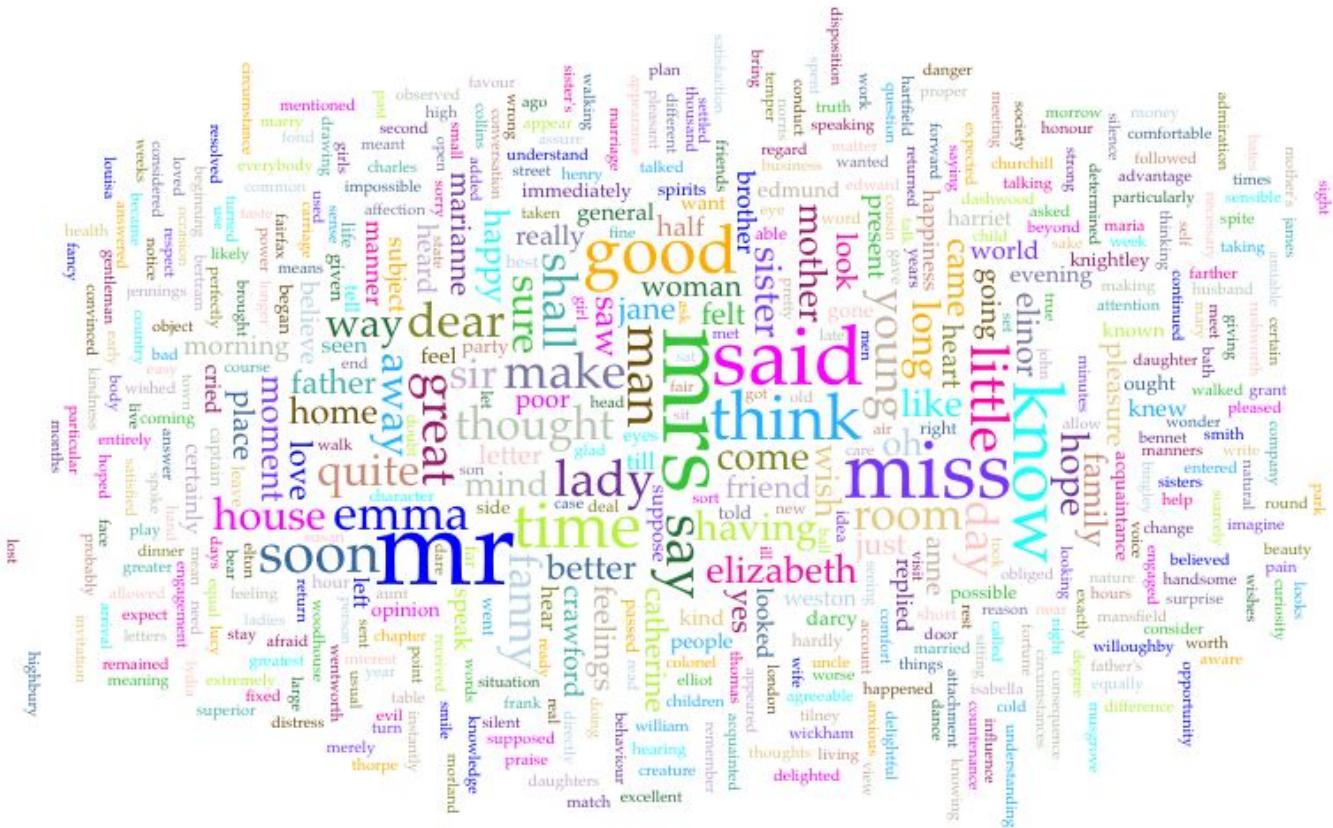
Anna Kijas
Digital Scholarship Incubator | Boston College
October 2, 2017



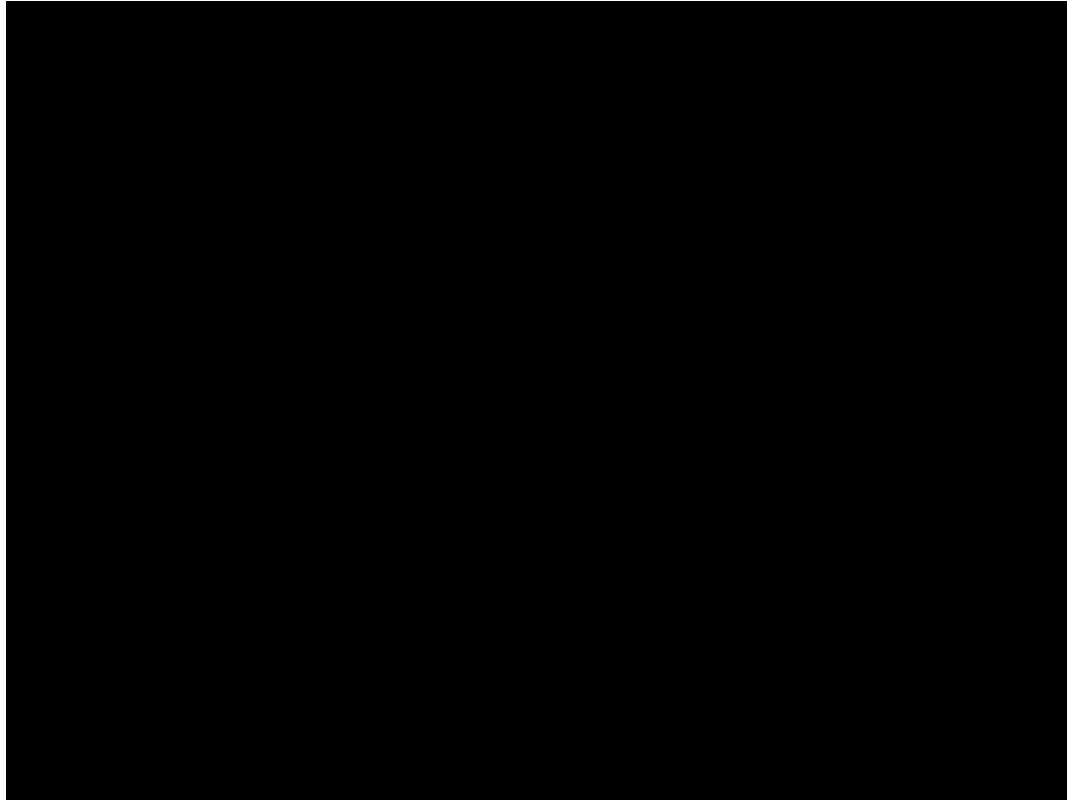


How & why do we use
visualizations?



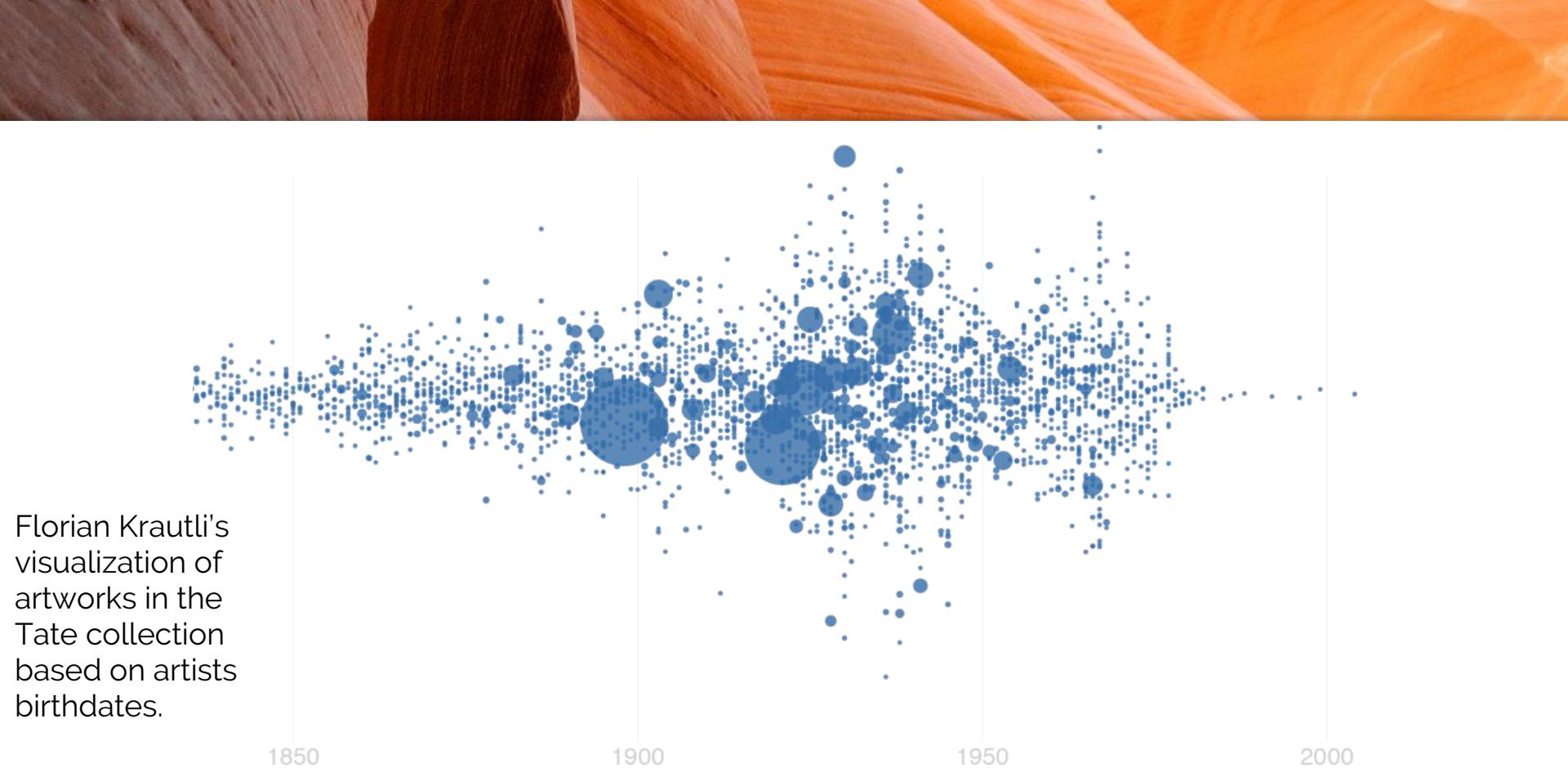


Word cloud based on Jane Austen's novels. <https://voyant-tools.org/?corpus=austen>.

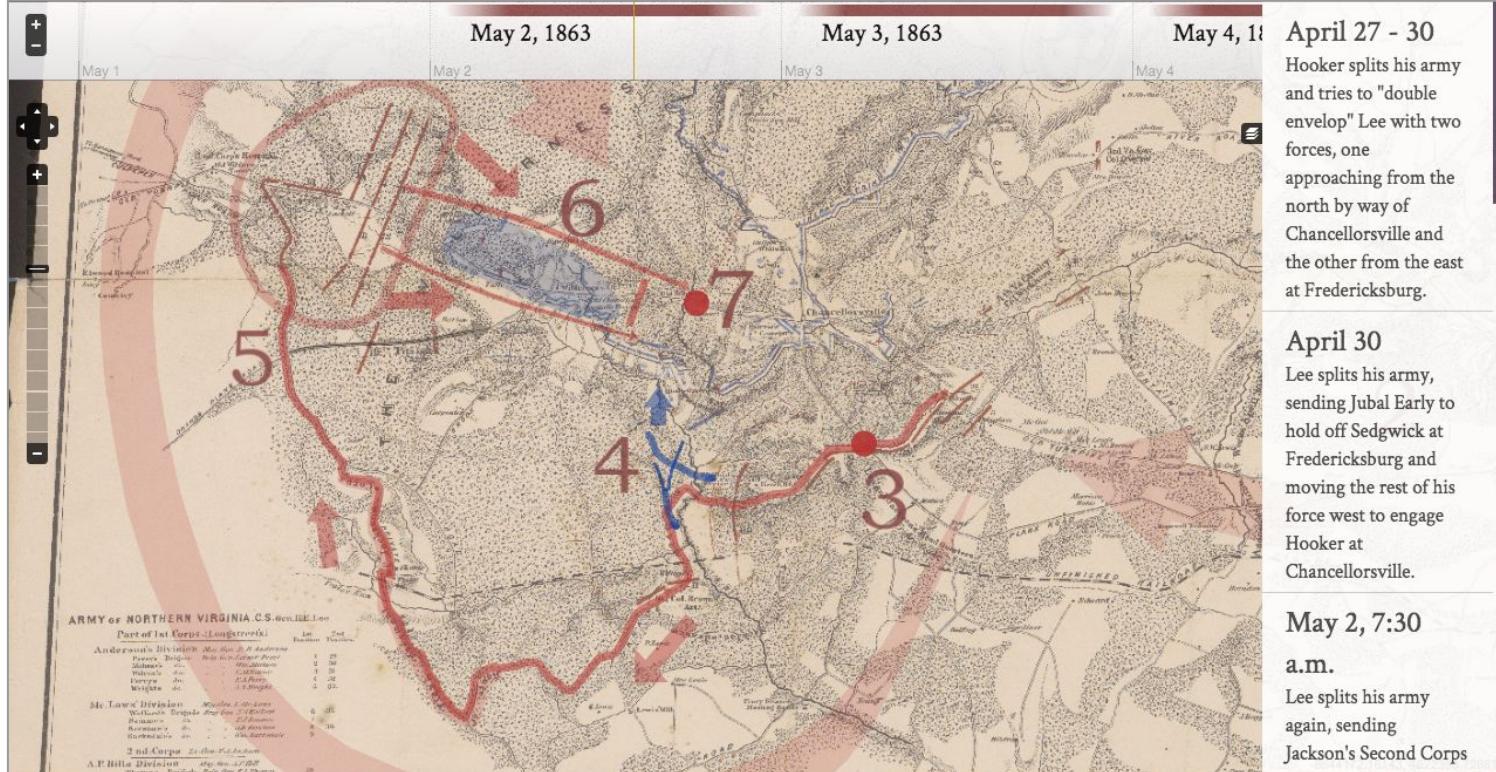


Lindsay King and Peter Leonard, *Robots Reading Vogue*. Yale University.

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

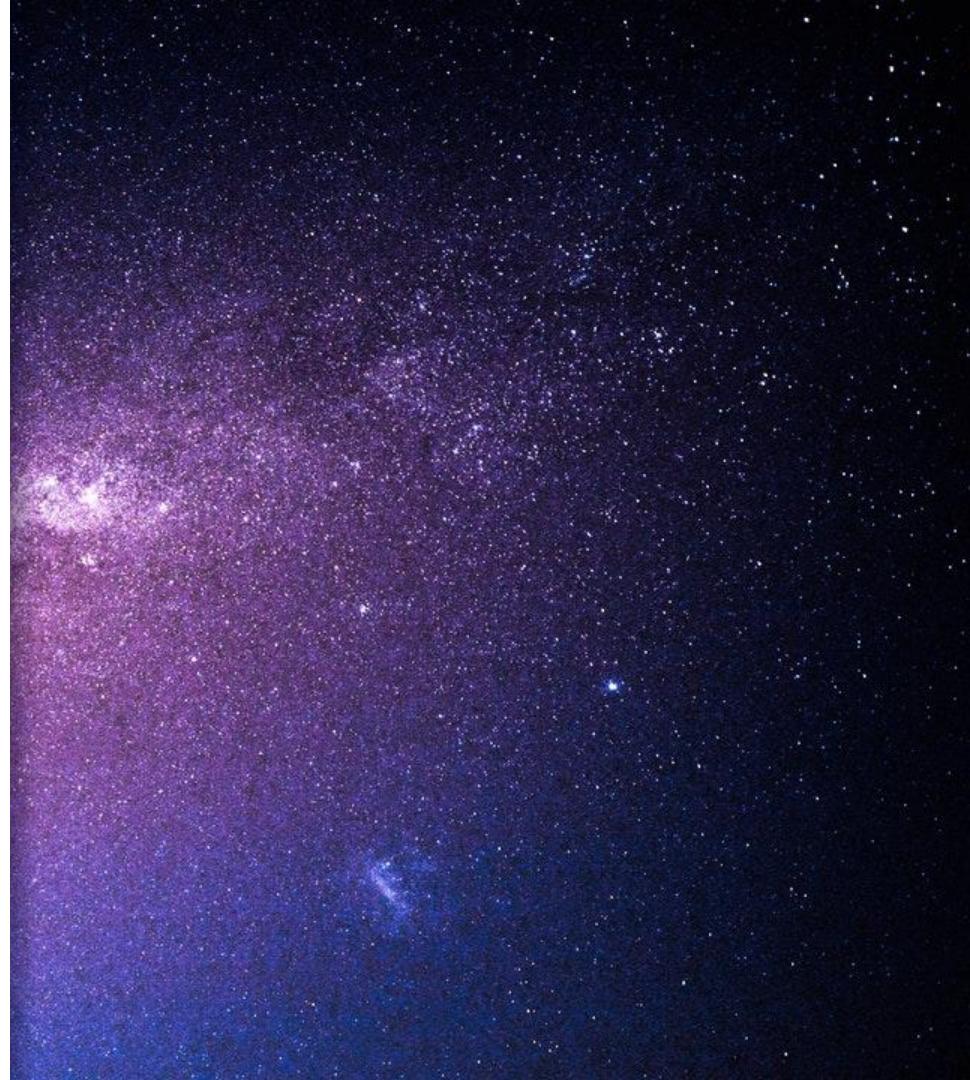


Jedediah Hotchkiss and The Battle of Chancellorsville



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_newspaper_s

Block by Block, Brooklyn's Past and Present

<http://bklynr.com/block-by-block-brooklyn-s-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](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](#)