CS 448B Final Project Report

By

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Literature Review

Following are some of the previous attempts to visualize Wikipedia Data:
https://angryloki.github.io/wikidata-graph-builder/
http://www.chrisharrison.net/index.php/Visualizations/WikiViz
http://wiki.polyfra.me/#
http://wiki.c2.com/?VisualizeTheWiki
http://seealso.org
https://yewno.com

Although these visualizations are helpful in linking Wikipedia data, they are mostly Network graphs that are not user friendly and hard to navigate. They are also not interactive and do not provide the user the control to morph the data to their needs.

I found the following example that includes a timeline:
https://ybogdanov.github.io/history-timeline/

It is a historical time series of all people listed in Wikipedia rather than an influence graph.

I like how the Stanford Libraries Tool Yewno provides the user the ability to select multiple ideas and see how they are connected. Though the graph gets complicated very soon and is hard to decipher.

Project plan

I have divided the work into the following sections:

Data: ETA 11/15

- Collect Wiki Data of Influences and Influenced
- Collect timeline Wiki Data
- Categorize the dates in a century
- Collect image Wiki Data
- Combine the data so that each person's influence is associated with a timeframe of the influenced

Visualization Phase I: ETA 11/23

- User is able to search for a person in the Wiki Data and an image is displayed on the App

- Generate ellipses around the searched person
- Each ellipse should be associated with a century

Visualization Phase II: ETA 11/30

- Show people influenced in the ellipses
- User should be able to filter via dragging the ellipse
- Click the first Degree Influenced to expand to second degree

Final Work: ETA 12/06

- Create Project Poster
- Write Research Paper
- Fix any remaining bugs and issues