# Final Project Proposal: Chicago Libraries and Walk Scores

## Brief Summary

My final project will map and display libraries in Chicago in corresponding neighborhoods and will incorporate walk scores for each.

## Expanded abstract

My final project will pull in data which will map the many libraries that are located in Chicago. I will also pull in data from the Walk Score API to return the Walk Score, Transit Score, and Bike Score of these locations. I’m also hoping to add further data to the thematic map to show the libraries in Chicago by neighborhood communities.

My goal is to make use of leaflet filtering to show data about each library such as operating hours, contact information, and resources available at each that many may not realize are available or currently utilize. I also hope to allow users to see the walk score to help them understand the ease at which one could get to each library.

## Technology

* Leaflet
* Awesome markers
* Mapbox Studio Styles
* jQuery
* Bootstrap
* JSON

## Data sources I have found the following datasets/APIs to correspond with my project, with hopes of continuing to find more:

* [Chicago Libraries (JSON)](https://data.cityofchicago.org/api/views/x8fc-8rcq/rows.json?accessType=DOWNLOAD)
* [Walk Score API](https://www.walkscore.com/professional/api.php)
* [Chicago Neighborhoods (GeoJSON)](https://github.com/chriswhong/chicago_geojson)

## Challenges

The main challenge I foresee in my final project is working with different datasets cohesively to filter the data correctly, and to display the data in the best manner so that it offers the best end user experience for those wanting to find libraries in Chicago.