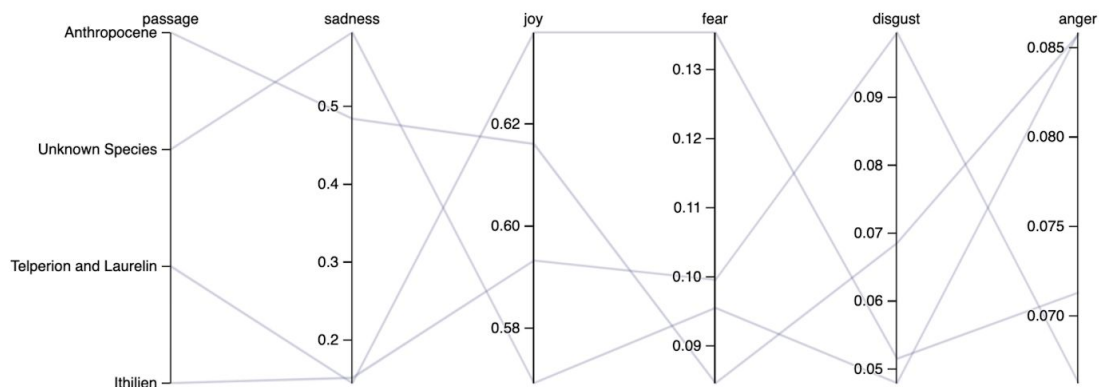
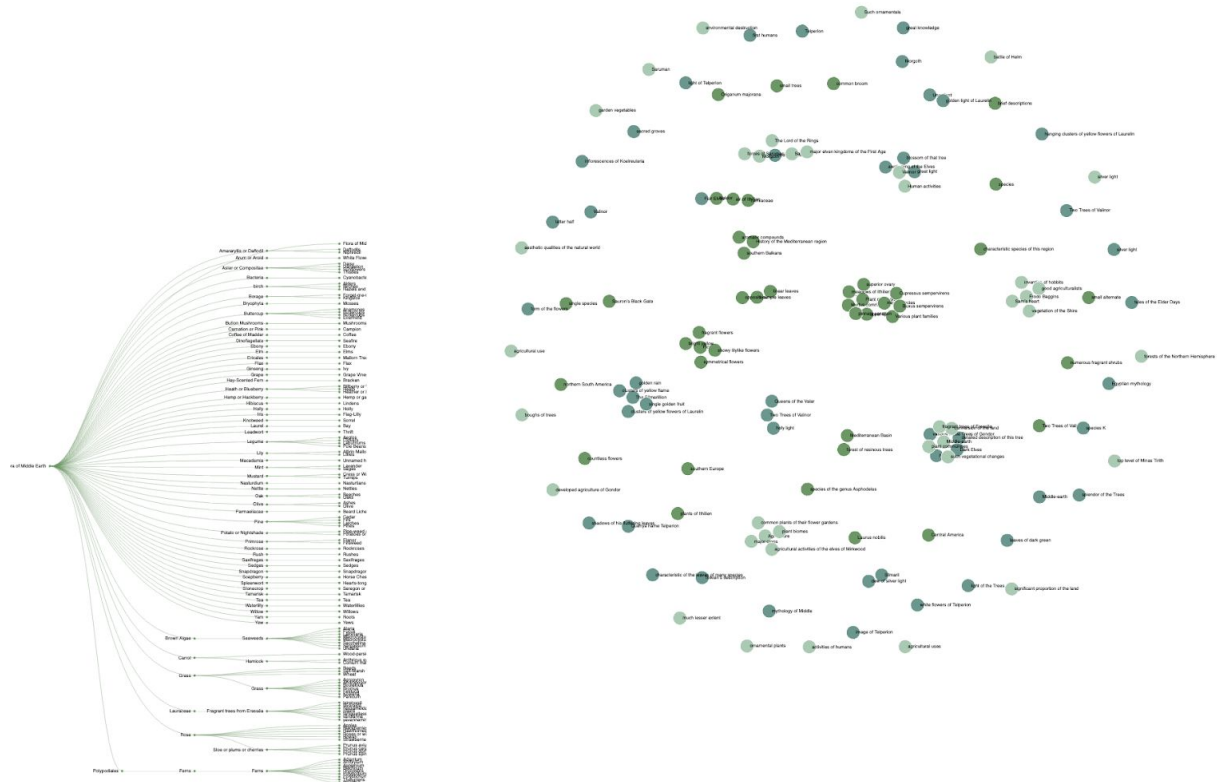


Project 2 Report



For this project, my goal was to analyze text from “Flora of Middle Earth” by Walter S. Judd and Graham A Judd.

Views

The first view is a break down of all of the found species of flora in middle earth. The layers go in order of family, common name,

and then species if it the world included multiple species of the common name. I picked this view because it is the most common way to understand taxonomic

nomenclature and hierarchy. You usually think of trees when viewing this kind of information. The second view analyzes Watson AI analyzed keyword and concept analysis of 3 different passages about the plants of Ithilien, the two trees of Telperion and Laurelin, and a passage about the influence of humans, hobbits, elves, and angelic beings to which I called "The Anthropocene". I chose this view because I wanted to find out the connections of different concepts to keywords for each passage within the larger scaled view of how the groups link together. The more connected the concept is to a keyword, the more relevant they are to the passages. The third view is using Watson AI's sentiment analysis to gather information about emotion from each passage. This information gathers an idea about the overall emotions attached to the topics of each passage.

Setbacks

I think for the amount of data creation and manipulation (combinedata.js) had made this project less appealing for the amount of work put in. The understandability of the force simulation only left me with an interest in the words mentioned and not really aware of the connections.

Student Evaluation

At the time of my evaluation, I only was able to get 2 views done due to the amount of data that I had to create for this project to get all three. At the time, we agreed that the forced simulation graph was interesting, but the readability made things pretty hard to gather an idea of what was what.

I got good feedback on the tree. They said that they felt like the tree was a nice overview of the whole flora of middle earth

If I had more time, I would get each illustration to show on hover to get a better idea of each plant.

Findings

As far as emotions go, I was surprised to see the amount of sadness, fear, disgust, and anger generated from Watson AI.

I didn't end up using the data set, but when I was making the data for the economic usage for each plant, I found that there was a surprising amount of drug usages for flora of middle earth.

Extra Credit:

I went through the book manually input every single data set except for the Watson AI jsons that go over emotion, concepts, categories, keywords, etc. Didn't end up using all of it, but there is quite a few files that I created.

I used a data manipulation method in "combinedata.js" to manipulate a json to be able to make the force simulation view to include every concept and keyword file.