**Philosophy Classification System**

**Visualization: Collapsible Tree**

**Files**

* phil\_cat\_dataframe.csv – an example of how to structure the information for the collapsible tree, based on the “History of Western Philosophy” infographic
* phil\_cat\_colltree.R – creates the collapsible tree
* template.csv – a template for creating new spreadsheets

**How to Structure the Data**

To create a collapsible tree, your data needs to be in a spreadsheet with four columns. These are:

* PhilPapers broad categories: the “clusters” on the original infographic, names can be found on the PhilPapers website (e.g. “Ancient Greek and Roman Philosophy”)
* PhilPapers specific categories: the individual bubbles on the original infographic, often names of philosophers (e.g. “Plato”)
* LC call numbers: the LC numbers where a specific PhilPapers category can be found (e.g. for Plato, “B 350-398”)
* LC categories: the most specific category that encompasses the numbers in the previous column; these are found on the LC Classification document (e.g. “B 165-491 Greece”)

Example:

|  |  |  |  |
| --- | --- | --- | --- |
| **PP Broad** | **PP Specific** | **LC Call Number** | **LC Category** |
| 17th-18th Century Philosophy | 17th/18th c. British Philosophy | B 1131-1402 | B 790-4695 Modern Philosophy |
| 17th-18th Century Philosophy | 17th/18th c. Philosophy (General) | B 801-802 | B 791-804 General Works |
| 17th-18th Century Philosophy | 17th/18th c. French Philosophy | B 1815-2179 | B 1801-2430 France |
| 17th-18th Century Philosophy | 17th/18th c. German Philosophy | B 2535-3177 | B 2521-3396 Germany & Austria |

For a larger example of what this looks like, see the file **phil\_cat\_dataframe.csv**. You will want a different spreadsheet for each large PhilPapers section (ex. “History of Western Philosophy”, “Metaphysics and Epistemology”, etc.). The template for this is **template.csv**.

NOTE: If one topic can be found in multiple locations (such as a section in B, and a section in Q), create two lines in the spreadsheet, one for each location. For example:

|  |  |  |  |
| --- | --- | --- | --- |
| **PP Broad** | **PP Specific** | **LC Call Number** | **LC Category** |
| Ancient Greek and Roman Phil | Aristotle | B 400-491 | B 165-491 Greece |
| Ancient Greek and Roman Phil | Aristotle | Q … | ??? |

When you are done creating the spreadsheet, retitle the columns **PPbroad**, **PPspecific**, **LCnumber**, and **LCcategory**.

**How to Create the Visual in R**

1. Make sure you have R and R Studio installed (<http://archive.linux.duke.edu/cran/> for R, <https://rstudio.com/products/rstudio/download/#download> for R Studio).
2. Open **phil\_cat\_colltree.R** in R Studio.
3. Specify the folder where you will be opening/saving files:
   1. Go to the Session tab.
   2. Choose “Set Working Directory” > “Choose Directory…”
   3. Pick the folder where your spreadsheet is saved.
4. Under “VARIABLES TO ADJUST”, change the name of the file to whatever the title of your spreadsheet is.
5. Highlight the lines under “Create the collapsible tree” (lines 8-12) and click “Run”.
6. If the image seems to be correct, highlight everything under “Save the image” (lines 15-16) and click “Run”.
7. Repeat this process for each spreadsheet, changing the file name in line 5 each time.