Logbook

**Thursday 8th December**

I met with Iris and discussed my plan for the project. She gave me some useful links for natural language processing that I had a look over. I still need to precisely formulate my project question/topic.

**Tuesday 13th December**

I have started collecting the data for my natural language processing project about books. It is closely inspired by the “Guardian top-100 novels” suggestion mentioned in the course, however, I want to get more books to work with.

I have found that amazon doesn’t support scraping their website (and the API is not completely free) so I need to find a different website. I have ended up with Goodreads (also as mentioned in the course) but I still want to get a lot more books to work with. I have found their “lists” of books to be nicely accessible for scraping a managed to get 1249 books (name, link to books page) from the largest list “to-read”. Even though it is said to contain over 2bn books, it turns out that goodreads website doesn’t bother showing more than the first 1249 books (25 pages with 50 books, last cutoff with only 49). This is still a good amount.

Major issue I have encountered is that the webpages of individual books are using javascript and so using BeautifulSoup alone won’t be enough there. I have therefore decided to include “learning the Selenium package” into my project

**Wednesday 14th December**

I have learned how to use the “Selenium” library for scraping website that use javascript to load dynamically, which is exactly the case for the goodreads pages of individual books. I admit this was a big struggle and took me a long time.

**Thursday 15th December**

I have learned how to use the “Scrapy” library its “Selector” class to find data on a website using xpaths. I have managed to write the code that scrapes all the info I want for a book, including the description but excluding the reviews. I am having issues with selecting out only reviews and not also comments to reviews. Goodreads frustratingly allows more than just text in reviews which makes a bit complicated.