

Digital Methods: Learning Journal Template

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Autumn 2019

1 Assignments

1.1 Assignment 1: Stopword list from Voyant to Regex and from Regex to Voyant

04/11/19

11:00am: Today's lecture was very enlightening. Max' presentation was very good and he explained to perfection how to get in touch with data. The first hour was were good and i understood more and more.

12:00am: To understand completely what to do, i asked my work colleagues who sad beside me. We listened to the to "presentations" and i personally felt a more relief well knowing, what data is and how to get it.

13:00am: Decided before completing Data Carpentry exercise, I want to familiarise myself with Overleaf and Github. Currently learning how to use GitHub and create a repository. In GitHub i just worked with figuring out how to "work in and with it". I used a couple of hours to complete my knowledge in GitHub and to work with this journal.

15:00pm: Then i worked with Regex to get a grib on how to work with it. Here i learned in collaboration with some of my classmates that Regex is very simple when you get a grib on it. I tried to take the Stopword list for Voyant and put it in Regex. It showed that you can work with many different symbols.

From Voyant to R To begin with i found it super hard to understand exactly how to work with the stopwords list. Thereafter i began to work with the stopwords list and suddenly i understood how to handle the program. I took the words on the stopwords list and put it in Regex. Hereafter i typed: () to capture it in groups and after i began experimenting in the section called "substitution" i found out that by typing: ",," it divides all the words in "". Thereafter i divided the words and deleted the signs i wasn't in need of - and so it would look like the stopwords list we were given in the beginning.

From R to Voyant To do the opposite i first took all the words from the "stopwordlist from R" and placed them in Regex. In the R words there were many "" and , and those i wanted to delete. Thereafter i marked " on the regular expression to remove the ". Then i deleted all the " and took the "new" text down under Substitution and put it in where i just deleted the stopwords list. Now i have the words without " in front and after every word. And i did the same with ",," to remove them. Hereafter i typed: to get the words in a listed form and not so confusing when it all stood side by side without the " and ,. Now i feel like my words stand as a stopwords list.

I feel like by using Regex i found out that it is very funny and interesting to work with. It takes a little time but when you get the hand of it it is quiet useful.

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1.2 Classwork

07/11/19 (before the class i read the homework in Data Carpentry and noted that data is a lot of things. Especially the introduction was good and understandable) Today's classwork began with different elaborations were presented. There after we went through the homework and Adela made it clear how we could incorporate data in XL and in our assignment.

I used some of the time to reflect on my data and historical sources i wanted to work with for my assignment. We then worked with Open Refine, but my computer wont ever open it, because it is afraid of virus. So i followed my classmate on the side, so i wouldn't fall back. At last we worked with African statistics in Open Refine. We put it in Regex and deleted the " the same way as in the assignment i made in previous chapter above.

Later on:

- I worked with Open Refine to make it work on my computer - but i could make it work at first, but later on i opened it on my lock in app store, and it worked.
- Then i worked alone for a while to understand Open Refine because of my set back, and now i understand how to use it.
- I sad with some classmates a couple of hours to make many of the programs we worked with the previous weeks, work for us.

1.3 Classwork

11/11/19

Thoughts

Learning about Concilience

- First thought was that this term was hard to understand and to put in my work with my own data set
- Good presentation about the term and data in general
- Adela's presentation with good historical knowledge and pictures was good

Thoughts after class

Thinking about my data and how to find what i wanted to work with

- I Knew i wanted to work with an historical problem/issue and i wanted to find historical data on following topics
- **Topics:** danish men and women in the 1800 century with either the mortality, how old they were when they died, who lived longest or the work they did
- I found a lot of data in the website "Danmarks statistik" on the topics i wrote

- I made an appointment with Max for tomorrow (12/11) so he could help me find some data

Git Bash Problems

- I had problems with downloading the Git Bash and to understand what we should use it for

1.4 Work at home

- Git Bash still tricky for me and my computer
- I worked with Open Refine to make it work again, because i had some trouble last thursday when we worked with it

1.5 Final Thoughts

2:03pm: i installed Git bash (got it from my mac) for the class. But i had it wrong, so Petra helped me in "trouble shooting" before the class.

2 14/11

2.1 Classwork (8am to 11am)

Git bash was very tricky but finally i got it installed on my computer. Then we worked with the Terminal and trying to sort the data shell i saved on my computer. I found the data in my desktop by typing "ls" and then "ls Desktop" and found all of my files there were on my desktop.

i worked with R at home, to understand how it worked.

homework - i read the rest of the setup

3 18/11/2019

3.1 Classwork

- **11:00am:** wrote on Slack because i had some questions regarding the assignment
- **12:30am:** Class presentation by Adela - regarding installing R and R studio

3.2 At home

Worked with my assignment/research project Max helped me find a data set and how to use it

- i found out my data set on "marriages" Max helped me find, was good to say a lot of things regarding Denmark in the 18-19. Th century

I again worked with R and installed R studio for the classwork on Thursday
I downloaded R studio and R so i was ready for Thursday

4 21/11/2019

4.1 Classwork

08:00am

- Today we worked with R studio. We were taught to work with R studio and how to for example type in the script.
- I found out how to use the program in my assignment - and how i navigated in the program

09:00am

- I used the program to navigate statistics and more.
- I used the 'help' to see what it did.
- We explored some functions in R studio.
- We learned to sort and filter our spreadsheets
- We learned how to upload data in the program R

10:00am

- We worked with the program some more - and tried to subset and tried 'pullout element'.

4.2 At home

I worked at home with a classmate to work with our assignment/project. We found out how to read the homework for 25/11 and how to install the final piece for the class (tidyverse).

The exercises in lesson 2-3 i did not do because i could not sort how to get it from the Factor section.

5 25/11/19

5.1 Classwork

11:00pm: Presentation from guest

12:05pm: Discussion about the assignment and after a small talk two persons to talk about our projects. We also typed in docs what our individual plans for the assignment are.

5.2 Class 28/11/19

Working with R Studio and data in it as well

- We took the data from the syllabus and worked with it
- For instance i had to install the "tidyverse" once again because my computer had updated it self since last time
- Then we tried to see some independent columns by typing "View(interviews)" and for instance "select(interviews, villages, no membrs)"
- We learned to use "!" and "
- We learned to make a plot and then tried to change color by typing "ggplot(data = interviews, aes(x = no_membrs, y = number_items)) + geom_point(color = "red", alpha = 0.5) myplot + geom_point(color = "red", alpha = 0.5)"
- Opened new spreadsheet

6 05/12/19

6.1 Final Thoughts

05/12 **At Home** i had to work in The Gamle By on monday the 02/12 so i had to catch up at home

08:00 we took a fun quiz and i did well. I was nice to get everything repeated

09:00 we talked about the project and clearing what to do with for instance RStudio i am using