Learning Journal

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GENERAL NOTES:

29th July - 4th August

Before beginning this class, I was not sure that I would be able to do anything as I was quite unsure about the relevance of this unit to my Research. I was acquainted with number of new terms like GitHub, Slack, Cloudstor and what not. After consulting Brian and eating brain of Sheriden now I am starting with my learning journal. I am finding it quite difficult at this stage, but it is increasing my 'digital' skills as well.

Week one Exercise:

In week 1, we were asked to retrieve prior to 6 months. As I have never used computer much except for typing, this was new for me.
Doing all the stuff together was not less than a roller coaster ride for me. But in Week 2 again we were given a task which seemed was not my cup of tea. So I discussed with Sheriden and she came like an angel in my life. She explained the technicalities again and now I think I can start off with my work.

5th – 11th August

Data Carpentry introduction was provided in the class. Only the introduction part was done in class. Everything seemed new and I was confused.

OBJECTIVE: To understand the basics and make myself comfortable with the unit.

ACTION: Met Brian and he helped me in understanding the concepts of Github, Slack, Data carpentry and Sheriden helped me with some of problems as well.

RESULT: I was a bit comfortable with the terms which were overwhelming and tried to cope up with others by practicing few things at home.

12th – 18th August

13th Aug(5:00PM)

This week we have to complete our scoping exercise/ proof of concept exercise due. I will try to put whole lot of efforts in it but I don't have any knowledge of LaTeX(if I had it could fetch an HD for me), nevertheless I will try to do my best. Hope it goes well.

14th Aug(6:00PM)

OBJECTIVE: Understand and Complete the Scoping exercise.

ACTION: Following the instructions of Brian and Shawn I tried to complete the exercise but was stuck in many points. Consulted Sheridon and she explained in detail what was expected in the work. I outlined the jobs, pains, pain relievers, gain creators for the Proof of concept project.

RESULT: I don't have knowledge of LaTeX so completed my task in Word. Hope to learn it in near future.

I was worried about submitting my assignment but successfully submitted(thanks to Sheriden) on ilearn and cloudstor.
I am finding this process interesting now as atleast I have started with the initial and basic things which I was worrying about earlier.

15th Aug(5:00PM)

PROBLEM FACED: Not able to add data in learning journal

ACTION: I tried to Save and Copy but wasn't a solution for me. Consulted Sheridon. Created document in Cloudstor and then kept on typing in the folder on my desktop. Then copy and pasted it in the document on cloudstor.

RESULT: Success. Data added in the learning journal.

 17th Aug (2:00 pm)

OBJECTIVE: I have decided to try LaTex for my next assignment. For that initially I will try it on Word and then transfer to LaTeX. I am having an overview on overleaf which looks like a good guide. Never tried anything of this sort, it seems interesting but a Herculean task. I have already submitted the previous assignment in Word. I will Try to learn LaTeX starting from title, author and date.

ACTION: I asked Sheriden to make me aware of the process of LateX as I was trying to download it online and was facing number of problems. But she told me that it could be done through overleaf. I tried:

\title{Proof of concept}
\author{Mona Ghai}
\begin{document}
\maketitle
\end{document}

Click 'compile'

Error: none

RESULT: My document was generated with Title, Author and date(which I didn't mention)

This seems to be a great achievement. But now the tough work was to be done.
Now I had to work hard for next steps, creating headings, subheadings, and other things.

I am going to revisit this later week as it is overwhelming, I won't be able to learn it in one week.

17th Aug (5:00pm)

Data Carpentry exercise:

Formatting data tables in Spreadsheets:

OBJECTIVE:
Responses to Questions
1. With the person next to you, identify what is wrong with this spreadsheet. Discuss the steps you would need to take to clean up the two tabs, and to put them all together in one spreadsheet.

 Resources:

Website links:

https://datacarpentry.org/spreadsheets-socialsci/00-intro/index.html

https://datacarpentry.org/spreadsheets-socialsci/01-format-data/index.html

Action:

1. Downloaded the links.
2. Opened and carefully examined the data.

The data seemed quite messy. Following main points were noted:

1. Use of multiple tables in same spreadsheet;
2. Leaving the cells blank where zeroes must be put;
3. special characters are used, like*
4. values(null) like -99 and -999 are used that won't be recognised;
5. confusing terms like mabati-sloping and mabatisloping are used;
6. use of highlighting in cells;
7. use of text in cells;

There are a range of errors needed to be cleaned up.

18thAug :

Data and Metadata in English Literature.

The data to be used in Literature is quite different from other subjects and fields. The data is not quantifiable or surveyable. So, it seems to be a difficult task. Therefore, the texts we read can be considered as data. In order to draw conclusions from that data we can analyse and interpret the data using various techniques like close reading, distant reading and through different approaches like historical, thematic, biographical, etc.

Metadata in the case of literature study can be the author, publication details, title (I can't think of anything else).

OBJECTIVE: To create new repository named learning journal in Github.

ACTION: Creating a repository on Github:

- Click on profile icon in top right corner and click 'your repositories'
- Click 'new' and entering details - named repository 'learning-journal'
- Selected initialize this repository and created repository
- Commited file with description(uploaded learning journal first time)

RESULT:
- New repository named Learning Journal made in Github (uploaded learning journal first time).
- Overleaf- started to learn, initial stage, will work over it in coming days. Continue making learning journal in Cloudstor and Github in Word.
- Data Carpentry- facing some problems interpreting the exercises correctly, taking Sheridon's help, trying my level best to complete in the way I understand it.

19th – 25th August

This week the Scoping exercise 2 is due. I am facing a hell lot of problems completing this. It is related to decomposition of the ideas discussed in scoping exercise 1. We are also required to finish the Spreadsheet for Social Sciences learning material on DataCarpentry.org. We will also submit our learning journal as completed thus far for feedback.

Data carpentry exercises: formatting problems.

August 19(10:00 am)

INTENTION:
Complete data carpentry exercises for this week.
  ➢ **Dates As Data**:
Objective:

To extract the components of the date to new columns

Action:

1. Downloaded and opened the dates.xlsx file.
2. Selected a tab of the spreadsheet (`DD_MM_YEAR`)
3. Title Columns-- Day, Month, Year.
4. In B2--Write Day=($A2)
5. Drag from the corner of B2 to the end of the column

6. In C2-- Write Month=($A2)
7. Drag from the corner of C2 to the bottom of the column .
8. In C2 write Month=($A2)
9. In D2-- Write Day=($A2)
10. Drag from the corner of D2 to the bottom of the column .

Result:
I am happy I have completed this task as I was unaware of this function.

- **Objective**:
Using the same spreadsheet, add another data point in the interview_date column by typing 17/11.

Action
1. Write 17/11.
2. Include new entry by continuing using the day/month/year columns.

Result:
Success, 17/11/2019 is now displayed in A16. I came to know that the dates are auto-completed.

➢ QUALITY ASSURANCE
Objective:
To apply new data validation rule to one of the other numeric columns

Action:
1. Select no_membrs column.
2. Select data tools on data tab.
3. Select data validation
4. Click allow, select whole numbers from drop down list
5. Select between, minimum 1 and maximum 30.

Result: I was surprised nothing was happening.

Again Action taken:
Again clicked data validation and then **clicked Error Alert and selected** show error alert after invalid data is entered, press ok.

Result:
Success. The error box appeared.

- **Objective**:
Apply a new data validation rule to one of the other categorical columns.

Action Taken:
1. Choose column Wall_type
2. Select data tools on data tab.

3. Select data validation
4. Click allow-list
5. In source type-muddaub, sunbricks, burntbricks
6. Change input message-Title: invalid wall type, Input message: only muddaub, sunbricks, burntbricks.
7. Typed other random name

Result:
Success.

➢ EXPORTING DATA

Objective:
Export Data

Action:
1. Click file
2. Click save as
3. Change format to .csv

Error: Unable to save the spreadsheet. Not compatible with csv
Solution: Saved file with the exercise as excel. But stuck what to do further.

Overall result: Data carpentry exercise complete just last task I am unable to do.

23rd August (2:00 am)
At last I have completed my assignments. I have completed Scoping Exercise 2 and submitted on Cloudstor as pdf.