### Jan Jugueta FOAR705 Learning Journal

**8/8/19 - 3:20pm**

As part of last weeks homework, we were tasked to restore a file from 6 months ago. As I am a Mac user, I have been using Time Machine (sorry, not sorry) for my back ups. I have decided to restore a .pdf file of a CV I made at the start of the year.

Objective: Restore Jan\_Jugueta CV.pdf file from Time Machine back up.

Action:

* Open Time Machine app.
* Selected 19/1/19 as the date.
* Opened Documents folder.
* Opened Personal folder.
* Selected Jan\_JuguetaCV.pdf file.
* Clicked Restore.
* Selected option to Restore file to the Personal folder on my machine.

Error: None

Result: Restored Jan\_JuguetaCV.pdf file to Documents/Personal/

**10/8/19 - 4:18pm**

I have decided to maintain my Learning Journal directly on Cloudstor so it will give me the ability to work on multiple machines with ease.

**11/8/19 - 12:16pm**

Having looked at my repository on the GitHub website again, I have decided to delete my ‘Jugueta-Exercises’ repository to start another one. This is because I have uploaded random files to the repository as a test, and now that I have a better understanding of what it is used for, I would rather it not be cluttered with unrelated data.

Objective: Delete ‘Jugueta-Exercise’ repository and start a new repository with the same name ‘Jugueta-Exercise’

Action:

* Clicked on the Settings button in the ‘Jugueta-Exercises’ repository page.
* Clicked on ‘Delete this repository’.
* Typed in the name of the repository ‘Jugueta-Exercises’ to confirm delete action.
* Entered GitHub password to confirm deletion.
* Clicked on the + symbol and selected New Repository.
* Named repository ‘Jugueta-Exercises’.
* Selected to keep the repository Public.
* Initialized the repository with a README.
* Clicked Create Repository.

Error: None

Result: Deleted old repository ‘Jugueta-Exercises’ and replaced it with a new repository with the same name.

**11/8/19 - 12:28pm**

Working through the Introduction lesson on Data Carpentry. Currently working on part 1, Formatting data tables in spreadsheets. The messy data from the lesson has been downloaded and is stored in the FOAR705/Files/Data Carpentry/Introduction folder on my machine.

As advised by the lesson, I will not alter the original data and instead create a new tab to work on.

Objective: Create new data tab in Excel workbook.

Action:

* Open SAFI\_messy.xlsx file with Excel.
* Create new tab by pressing the + symbol at the bottom of the screen.
* Renamed new tab ‘DC Exercise’.

Error: None

Result: New tab created named ‘DC Exercise’.

**11/8/19 - 12:48pm**

Upon reviewing the SAFI\_messy.xlsx file, a few things stand out and need to be ordered in the new tab:

* The Livestock table in the Mozambique tab contains multiple pieces of data in one cell.
* Inconsistent naming of things (i.e. mabati\_sloping and mabatisloping).
* The Tanzania tab has no Plot table
* Inconsistency when using ‘null’ and ‘false’ across both tabs.
* Some blanks in cells. Unsure if they are ‘null’ values or have not yet been recorded.
* Using cell highlighting in one tab to indicate additional information.
* Using the \* character to indicate additional information.
* Inconsistent text/number align in the cells.

To get in the habit of constantly committing data to GitHub, I will commit the edited SAFI\_messy.xlsx file to GitHub. This version will have the newly created tab DC Exercise.

Objective: Commit SAFI\_messy.xlsx file to GitHub

Action:

* Selected Upload files in the Jugueta-Exercises repository in GitHub.
* Dragged and dropped the SAFI\_messy.xlsx file from my machine to the upload window in GitHub.
* Added the description ‘DC Introduction exercise’ to the upload.
* Added the extended description ‘Edited SAFI\_messy.xlsx file with new DC Exercise tab.’
* Clicked on Commit changes.

Error: None

Result: Uploaded SAFI\_messy.xlsx file to Jugueta-Exercises repository in GitHub.

**11/8/19 - 1:24pm**

Finished reading the Metadata section in Formatting data tables in Spreadsheets. Two key points from this section are:

* Metadata should not be stored with the data itself. It should be a separate file itself stored in the same directory.
* Metadata will help inform you, or other researchers about the data and data collection.

As part of the Metadata exercise, I have downloaded the SAFI\_clean.csv file from the website and have moved it to FOAR705/Files/Data Carpentry/Introduction.

**11/8/19 - 1:50pm**

Having opened and read the contents of the SAFI\_clean.csv file, my questions surrounding the file’s potential metadata are as follows:

* What does ‘no\_membrs’ actually mean? Number of village members? Family members?
* Is ‘years\_liv’ referencing the age of the interviewee? If not, then what?
* What does ‘affect\_conflicts’ mean?
* What constitutes as an item in the ‘items\_owned’ question?
* I assume ‘no\_meals’ means number of meals, but is it referencing to daily meals, weekly meals or something else?

**11/8/19 - 2:05pm**

To get into the habit of version control, I have decided to enable version control and back up a copy of this Learning Journal to GitHub.

As I will be performing this back up during the documentation of the process, the soon-to-be backed up version of this Learning Journal will not be able to document this process.

Objective: Download current version of Learning Journal and commit to GitHub.

Action:

* Select File in Cloudstor.
* Selected Download As > Docx (Word file).
* Downloaded ‘Jan Jugueta - Learning Journal.docx’ to Download Folder on my machine.
* Enter Jugueta-Exercises repository in GitHub.
* Select Upload files.
* Dragged and dropped ‘Jan Jugueta - Learning Journal.docx’ to upload window in GitHub.
* Added the description ‘Learning Journal’.
* Added ‘20190811 14:13’ in the extended description to indicate when the Learning Journal was from.
* Clicked on Commit changes.

Error: None

Result: Uploaded ‘Jan Jugueta - Learning Journal.docx’ to GitHub.

**14/8/19 - 1:54pm**

I have continued with the Data Carpentry exercises, resuming with Data Organization in Spreadsheets for Social Scientists. Some general points that stood out to me that I had never considered before were:

* Use underscores (\_) instead of spaces when entering data or naming things.
* Don’t start naming things with numbers.
* Differentiate between a null value and true zero values.
* Don’t put multiple tables on the same tab.
* Ask yourself if adding a new column to a table will achieve the same result as creating a new tab.

**14/8/19 - 2:14pm**

I have revisited the Learn LaTeX in 30 minutes guide and am now going to start with the Scoping Exercise.

Overall objective: Complete Scoping Exercise using Overleaf and committing the .pdf and .tex file to Cloudstor and the .pdf to iLearn.

Objective: Create new project in Overleaf

Action:

* Select New Project in Overleaf website
* Name new project ‘Scoping Exercise’

Error: None

Result: New .tex project titled Scoping Exercise in Overleaf.

**14/8/19 - 2:20pm**

Objective: Add title, author name and date to .tex file

Action:

* Changed \title{Scoping Exercise} to \title{FOAR705 - Scoping Exercise}
* Changed \author{Jan Jugueta - 44828020}
* Clicked on Recompile to view updated changes

Error: None

Result: Success. Renamed the default title and author to what I wanted.

**14/8/19 - 2:22pm**

I also note that there is an introduction that is part of the default new project. This is an example of a section in LaTeX. I think I’ll use the sections command to separate the different parts of this assignment.

Objective: Create sections for, Research Area, Jobs, Pains, Pain Relievers, Gains, Gain Creators.

Action:

* Changed \section{Introduction} to \section{Research Area}
* Added \section{Jobs}
* Added \section{Pains}
* Added \section{Pain Relievers}
* Added \section{Gains}
* Added \section{Gain Creators}
* Clicked on Recompile to view updated changes

Error: None

Result: Success. Created all the new sections.

**14/8/19 - 2:40pm**

Objective: See what happens when I start typing text between \section{Research Area} and \section{Jobs}.

Action:

* Typed a paragraph of information.
* Clicked on Recompile to view updated changes.

Error: None

Result: The information I had typed between \section{Research Area} and \section{Jobs} appeared as paragraph text in the Research Area section.

**14/8/19 - 2:56pm**

For the Jobs section, I want to experiment with the unordered lists and see how that works with LaTeX.

Objective: Create a list in LaTeX.

Action:

* Using the guide I copied and amended the script provided, and entered this:

\begin{itemize}

\item

\item

\item

\item

\item

\item

\item

\end{itemize}

* Typed information after evert \item line.
* Clicked on Recompile to view updated changes.

Error: None.

Result: Dot points have appeared with the text that I have typed in after the \item command.

**14/8/19 - 3:08pm**

For the next section, I want to see how paragraphs work.

Objective: Use paragraphs in the ‘Pains’ section.

Action:

* Typed one paragraph underneath the \section{Pains} line.
* Created a blank line after that typed paragraph.
* Typed a new paragraph after the blank line.
* Clicked on Recompile to view updated changes.

Error: None.

Result: Separate paragraphs created in the Pains section.

**14/8/19 - 3:41pm**

I have finished filling out the content for my scoping exercise. I will now recompile it, save it and upload both the .tex and .pdf for submission.

Objective: Recompile .tex file and upload files for submission.

Action:

* Clicked on recompile.
* Reviewed the PDF preview to ensure quality control.
* Clicked on Download PDF.
* Renamed main.tex to jugueta\_scopingexercise.tex.
* Went back to the Project page in Overleaf.
* Downloaded jugueta\_scopingexercise.tex.
* Opened the Scoping Exercise submission folder in Cloudstor.
* Created Jan Jugueta Scoping Exercise in Scoping Exercise submission folder.
* Uploaded jugueta\_scopingexercise.tex and Jan\_Jugueta\_Scoping\_Exercise.pdf to Jan Jugueta Scoping Exercise folder.
* Uploaded Jan\_Jugueta\_Scoping\_Exercise.pdf to iLearn.

Error: None.

Result: Success. Scoping exercise submitted and uploaded to Cloudstor and iLearn.

**14/8/19 - 4:00pm**

As part of this weeks homework, we were asked to consider problem data produced by our discipline. As I will be mainly work with historical documents, I find that records on sporting tables and match fixtures in East Germany to be wildly inconsistent. I had read the book *The People’s Game* which is a comprehensive historical account of football in East Germany. However, I had noticed that match records, and how they were display were generally inconsistent for varying seasons. The ‘cells’ in the columns and rows would often contain multiple data sets. Furthermore, they often used special characters to denote more information about a certain data set.

I’m not entirely sure if this example fits the problem data produced by our discipline, but very often, the Stasi (East German Secret Police) would leave lines of information blank when it came to citizens that displayed worrisome anti-socialist behaviours. I would equate this to a null value, which makes me question what information could have been recorded there?