

FOAR705 - Learning Journal Week 4

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Week 4: 19/8/19 - 25/8/19

19/8/19 - 11:50am

New week. Time to upload and commit the Week 2 Learning Journal to Cloudstor and GitHub.

Objective: Upload and commit Week 2 Learning Journal to Cloudstor and GitHub.

Action:

- Downloaded Learning_Journal_Week_3.pdf from Overleaf.
- Downloaded LearningJournalWeek3 folder from Overleaf, which includes the .tex file and two .png images.
- Created Week3 Folder in 2019-FOAR705-Collaboration/Journals/JuguetaLearningJournal.
- Uploaded JuguetaLJWeek3.tex, figa.png and figb.png to Cloudstor.
- Uploaded Learning_Journal_Week_3.pdf to Cloudstor.

Error: None.

Result: Successfully uploaded and committed Learning Journal Week 3 to Cloudstor and GitHub.

19/8/19 - 12:09pm

Objective: Upload edited SAFI_dates.xlsx file from the Dates as Data exercise.

Action:

- Uploaded SAFL.dates.xlsx file
- Committed file.

Error: None.

Result: Committed SAFL.dates.xlsx file to GitHub.

19/8/19 - 12:14pm

Continuing on with the **Data Carpentry** exercises. Currently going through the Quality Assurance lesson.

Objective: Complete 'Restricting data to a numeric range' section.

Action:

- Opened SAFL_clean.xlsx on Excel.
- Selected the no_membrs column.
- Clicked on Data - Validation in the menu.
- Selected Whole Number from the Allow drop down menu.
- Entered 1 as the Minimum and 30 as the Maximum then clicked OK.
- Entered the 50 in cell D133.
- Went back to the Validation window.
- Changed the Input Message Title to 'Invalid Number' with the message 'Please enter a number ranging from 1 to 30.'

Data Validation

Settings
Input Message
Error Alert

☒ Show input message when cell is selected

When cell is selected, show this input message:

Title:

Invalid Number

Input message:

Please enter a number ranging from 1 to 30.

Clear All
Cancel
OK

Error: Error: Only when entering the value 50 in cell D133 as instructed by the lesson.

| | A | B | C | D | E | F | G |
|-----|-----|----------|-------------|----|----|-------------|---|
| 107 | 113 | Ruaca | 2017-05-03T | 11 | 26 | burntbricks | |
| 108 | 118 | Ruaca | 2017-05-04T | 5 | 25 | muddaub | |
| 109 | 125 | Ruaca | 2017-05-04T | 5 | 14 | burntbricks | |
| 110 | 119 | Ruaca | 2017-05-04T | 3 | 14 | muddaub | |
| 111 | 115 | Ruaca | 2017-05-11T | 4 | 16 | sunbricks | |
| 112 | 108 | God | 2017-05-11T | 15 | 22 | burntbricks | |
| 113 | 116 | Ruaca | 2017-05-11T | 5 | 25 | burntbricks | |
| 114 | 117 | Ruaca | 2017-05-11T | 10 | 28 | muddaub | |
| 115 | 144 | Ruaca | 2017-05-18T | 7 | 5 | burntbricks | |
| 116 | 143 | Ruaca | 2017-05-18T | 10 | 24 | burntbricks | |
| 117 | 150 | Ruaca | 2017-05-18T | 7 | 8 | muddaub | |
| 118 | 159 | God | 2017-05-18T | 4 | 24 | sunbricks | |
| 119 | 160 | God | 2017-06-03T | 7 | 13 | burntbricks | |
| 120 | 165 | Ruaca | 2017-06-03T | 9 | 14 | burntbricks | |
| 121 | 166 | Ruaca | 2017-06-03T | 11 | 16 | muddaub | |
| 122 | 167 | Ruaca | 2017-06-03T | 8 | 24 | muddaub | |
| 123 | 174 | Ruaca | 2017-06-03T | 12 | 25 | burntbricks | |
| 124 | 175 | Ruaca | 2017-06-03T | 7 | 36 | burntbricks | |
| 125 | 189 | Ruaca | 2017-06-03T | 15 | 16 | sunbricks | |
| 126 | 191 | Ruaca | 2017-06-03T | 10 | 5 | burntbricks | |
| 127 | 192 | Chirodzo | 2017-06-03T | 9 | 20 | burntbricks | |
| 128 | 126 | Ruaca | 2017-05-18T | 3 | 7 | burntbricks | |
| 129 | 193 | Ruaca | 2017-06-04T | 7 | 10 | cement | |
| 130 | 194 | Ruaca | 2017-06-04T | 4 | 5 | muddaub | |
| 131 | 199 | Chirodzo | 2017-06-04T | 7 | 17 | burntbricks | |
| 132 | 200 | Chirodzo | 2017-06-04T | 8 | 20 | burntbricks | |
| 133 | | | | 50 | | | |

X

Alert

This value doesn't match the data validation restrictions defined for this cell.

Cancel
Retry

Result: Completed this section of the exercise. I now know how to restrict data entry and change the input message.

19/8/19 - 12:26pm

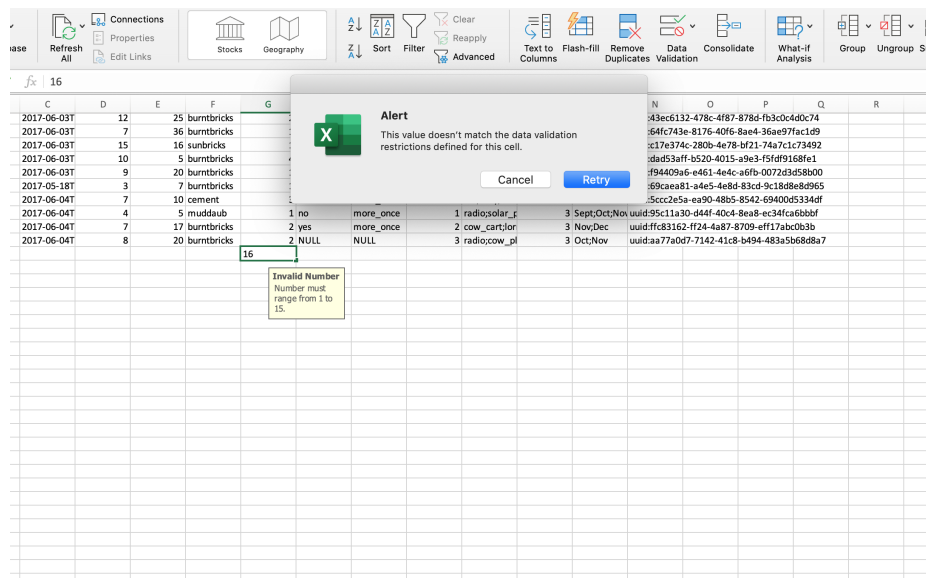
Going on with the exercise, I will now try the Validation with another column in SAFI_clean.xlsx.

Objective: Restrict data entry for the rooms column for values between 1 and 15.

Action:

- Select rooms column.
- Opened the Validation window.
- Allowed - Whole Numbers
- Inputted 1 for Minimum and 15 for Maximum.
- Changed Input Message Title to 'Invalid Number'.
- Changed message to 'Number must range from 1 to 15'.
- Tested validation by entering 16 into cell G133.
- Tested validation by entering 15 into cell G133.

Error: Error message occurred when entering 16 into G133.



Result: Validation success.

| | A | B | C | D | E | F | G |
|-----|-----|----------|-------------|----|----|-------------|----|
| 123 | 174 | Ruaca | 2017-06-03T | 12 | 25 | burntbricks | 2 |
| 124 | 175 | Ruaca | 2017-06-03T | 7 | 36 | burntbricks | 1 |
| 125 | 189 | Ruaca | 2017-06-03T | 15 | 16 | sunbricks | 1 |
| 126 | 191 | Ruaca | 2017-06-03T | 10 | 5 | burntbricks | 4 |
| 127 | 192 | Chirodzo | 2017-06-03T | 9 | 20 | burntbricks | 1 |
| 128 | 126 | Ruaca | 2017-05-18T | 3 | 7 | burntbricks | 1 |
| 129 | 193 | Ruaca | 2017-06-04T | 7 | 10 | cement | 3 |
| 130 | 194 | Ruaca | 2017-06-04T | 4 | 5 | muddaub | 1 |
| 131 | 199 | Chirodzo | 2017-06-04T | 7 | 17 | burntbricks | 2 |
| 132 | 200 | Chirodzo | 2017-06-04T | 8 | 20 | burntbricks | 2 |
| 133 | | | | | | | 15 |
| 134 | | | | | | | |

19/8/19 - 12:44pm

Will now do the 'Restricting data to entries from a list' section.

Objective: Complete 'Restricting data to entries from a list' section.

Action:

- Selected respondent_wall_type column.
- Opened the Validation window.
- Selected List from the Allow drop down menu in the Settings tab.
- Entered 'grass, muddaub, burntbricks, sunbricks, cement' into the source.
- Entered 'Only selected items' for the Input Message Title.
- Entered 'grass, uddaub, burntbricks, sunbricks, cement' for the Input Message.
- Clicked OK.

Error: None.

Result: Successfully restricted data entry from a list.

| | A | B | C | D | E | F | G |
|----|--------|----------|----------------|-----------|-----------|----------------------|-----|
| 1 | key_ID | village | interview_date | no_membrs | years_liv | respondent_wall_type | pms |
| 2 | 1 | God | 2016-11-17T | 3 | 4 | muddaub | 1 |
| 3 | 1 | God | 2016-11-17T | 7 | 9 | muddaub | 1 |
| 4 | 3 | God | 2016-11-17T | 10 | 15 | burntbrick | 1 |
| 5 | 4 | God | 2016-11-17T | 7 | 6 | burntbrick | 1 |
| 6 | 5 | God | 2016-11-17T | 7 | 40 | burntbricks | 1 |
| 7 | 6 | God | 2016-11-17T | 3 | 3 | muddaub | 1 |
| 8 | 7 | God | 2016-11-17T | 6 | 38 | muddaub | 1 |
| 9 | 8 | Chirodzo | 2016-11-16T | 12 | 70 | burntbricks | 3 |
| 10 | 9 | Chirodzo | 2016-11-16T | 8 | 6 | burntbricks | 1 |
| 11 | 10 | Chirodzo | 2016-12-16T | 12 | 23 | burntbricks | 5 |
| 12 | 11 | God | 2016-11-21T | 6 | 20 | sunbricks | 1 |

Only selected items
grass, muddaub,
burntbricks,
sunbricks, cement

19/8/19 - 12:52pm

Now to test the validation.

Objective: Test validation by entering an item not on the list.

Action:

- Entered 'steel' in cell F133.
- Entered muddaub in cell F134.

Error: Only when entering 'steel' into F133.

The screenshot shows an Excel spreadsheet with a data validation alert dialog box. The dialog box has a green 'X' icon and the text: "Alert: This value doesn't match the data validation restrictions defined for this cell." Below the text are "Cancel" and "Retry" buttons. The spreadsheet has a column labeled 'F' with the following items: burntbricks, muddaub, burntbricks, burntbricks, muddaub, sunbricks, burntbricks, burntbricks, muddaub, burntbricks, burntbricks, sunbricks, burntbricks, burntbricks, burntbricks, cement, muddaub, burntbricks, burntbricks, and steel. The 'steel' cell has a dropdown menu open showing "Only selected items" and a list: "grass, muddaub, burntbricks, sunbricks, cement". The value "15" is entered in the cell to the right of 'steel'.

Result: Steel was not accepted, but muddaub was.

19/8/19 - 12:56pm

Now I will try to restrict entry to a list for another column.

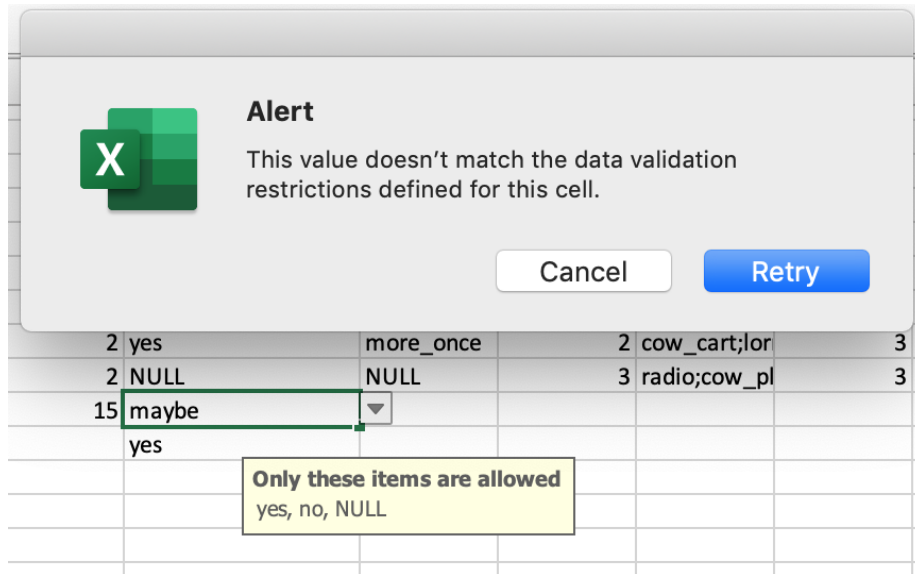
Objective: Restrict entry for column memb_assoc to only yes, no or NULL.

Action:

- Selected memb_assoc column.
- Opened validation window.
- Selected List from the Allow drop down menu.
- Entered yes, no, NULL to the source.
- Entered 'Only these items are allowed' for Input Message Title and 'yes, no, NULL' to Input Message.

- Tested validation by entering 'maybe' to cell H133.
- Tested validation by entering yes to cell H134.

Error: Only when entering 'maybe' to cell H133.



Result: Validation success. Only yes, no or NULL can be entered in the memb_assoc column.

19/8/19 - 1:08pm

Just finished reading the Exporting data lesson in Data Carpentry. The big takeaway point is that you should save your data in files that are universal and open. Which means saving data in .xlsx files isn't a great idea. Instead, use files like .tsv or .csv.

19/8/19 - 1:09pm

Objective: Save SAFL_clean.xlsx as SAFL_clean.csv

Action:

- Clicked on File then Save As.

- Selected CSV as the file format.
- Renamed file SAFL_clean_edit.csv because there is an existent SAFL_clean.csv file.
- Clicked save.

Error: None.

Result: Success. Data saved in new SAFL_clean_edit.csv file.

19/8/19 - 1:12pm

Objective: Commit SAFL_clean_edit.csv to GitHub.

Action:

- Uploaded SAFL_clean_edit.csv
- Added description 'SAFL_clean_edit.csv file from Data Carpentry'
- Added extended description 'This commit contains a file that was made as part of the Data Carpentry Data Organization in Spreadsheets for Social Scientists. It contains work done as part of sections 4, 5 and 6.'
- Selected on Commit changes.

Error: None.

Result: Successfully committed SAFL_clean_edit.csv to GitHub.

22/8/19 - 2:11pm

I have previously contacted some people from the FOAR705 class about the potential to collaborate on the Proof of Concept. I found some similarity with both Isaac Harrison and Lauren Franks (whom both have been in previous classes with me) in a potential project. We all tried to meet at a time convenient to us all, but unfortunately Lauren didn't have a time that suited both Isaac and I. So I met with Isaac after another of our classes to discuss Scoping Exercise II.

We identified that we had similar pains in relation to time management and note management. The following were the notes that we had come up with in our meeting.

Pains:

- ☐ Poor time management
- ☐ Inability to recall sources when needed
- ☐ Not consistently storing notes in a single area
- ☐ Form of the notes

Decomposition

What is the data?

The data is not the source itself, but the notes that I have written down regarding the source.

To digitise any hand written notes and compile

It should include

- ☐ Author's name
- ☐ Article/whatever name
- ☐ Type of literature (article/book chapter etc)
- ☐ Year
- ☐ keywords
- ☐ Discipline
- ☐ School/paradigm
- ☐ Our notes