





### 3. Format the date column using the "custom" option that shows date and time together.

The screenshot shows the 'Format Cells' dialog box in Microsoft Excel. The 'Date' category is selected, and the 'Custom' option is chosen. The 'Type' field contains the format code 'dd/mm/yyyy hh:mm'. The background spreadsheet displays a list of tweets with columns for Category, Date, and Retweet ID. The 'Date' column is currently empty, and the 'Retweet ID' column contains numerical values.

### 4. Sort out the retweets by sorting by retweet ID (tweets don't have a retweet ID and we're going to separate them).

The screenshot shows the 'Sort & Filter' task pane in Microsoft Excel. The 'Sort' tab is active, and the 'Sort By' dropdown is set to 'Retweet ID'. The 'Order' dropdown is set to 'Ascending'. The background spreadsheet displays the same list of tweets, but the 'Date' column is now populated with dates and times. The 'Retweet ID' column remains empty.



5. Remove the tweets, keeping just the retweets.

[illegible]

6. Sort by retweet ID and retweeter.

[illegible]







## 9. Sort by duplicates.

The screenshot shows an Excel spreadsheet with a data table. The table has columns: Vertex, Relationship Date (UTC), Tweet, Retweet ID, and Duplicate. A 'Sort' dialog box is open, showing 'Duplicate' as the selected sort criteria. The data table contains rows of data, with the 'Duplicate' column showing values like '1', '2', '3', etc., indicating the count of duplicates for each row.

## 10. Delete duplicates.

The screenshot shows the same Excel spreadsheet as in the previous screenshot. The 'Duplicate' column is highlighted, and the 'Delete' button is visible in the bottom right corner of the spreadsheet area.

[illegible]

The screenshot displays a Microsoft Excel spreadsheet with the following details:

- File Name:** New Workbook - 171183 - Excel
- Worksheet Name:** Sheet1
- Columns:** A, B, C, D, E, F, G, H
- Rows:** 1 to 37
- Content:** The spreadsheet contains a list of tweets and their retweet counts. The tweets are organized into rows, with some rows highlighted in green. The tweets are about the #ESOS308 hashtag and the #ESOS308 hashtag. The spreadsheet is titled 'Excel' and the file name is 'New Workbook - 171183 - Excel'. The status bar at the bottom shows 'Average: 41353.4016 Count: 415 Sum: 35661228.91'.



13. Select tweeter (vertex 1) and retweet ID in the pivot table. This will give you the retweeter and the number of retweets.

The screenshot shows an Excel spreadsheet with a PivotTable. The PivotTable has 'Row Labels' and 'Count of Retweet ID'. The 'PivotTable Fields' task pane on the right shows 'Vertex 1' selected for the 'Rows' area and 'Count of Retweet ID' selected for the 'Values' area.

Row Labels	Count of Retweet ID
2007lupa	1
5isac	1
a_gangind	1
aas7manuel	1
abbapink	1
abduhahmud	1
aeoma	1
aedrujanos	2
alarjosan	1
alwarhaham	2
amydowning8	2
annakatebarton	1
anwuyts	4
aeusene	1
aparagon	1
apoclinars	1
apeljohnna	8
apulyblank	1
arek_spychala	2
asampasocares	2
baileynajoo	1
bauwe_stephanie	1
beckybarch86	2
beingexample	1
betanomma	1
bethlewick	3
biyologugcu	1
bmrkdidd	1
bvrc94	1
bo7_jo	1
bottomdoc	1
bsbreastcancer	1
camecbrnen	1

14. Here's your final output. You'll need to do further analysis of this information. There are different ways to proceed. I use vlookup (after sorting alphabetically) for example to compare tweeters and retweeters. Example in tweet on next page.

The screenshot shows an Excel spreadsheet with a PivotTable. The PivotTable has 'Row Labels' and 'Count of Retweet ID'. The data is sorted alphabetically by the 'Row Labels'.

Row Labels	Count of Retweet ID
ymasannat	104
essoneers	91
dellacorteguar	54
colectingutier	50
juliomayol	45
polom_karol	44
ibrestbook	32
ksoride	30
gas_gallo	19
perbinder	16
mrgjenkins	15
lauralorensonmd	11
5isac	11
europacancer	10
apeljohnna	8
hellenechan1	8
smineev2015	7
roviellofranco	6
ernst_katrin	6
sarknatt	6
clotfsonbagge	6
met4_so	5
yacoboard	5
farazk65499316	4
raudioip	4
colo_research	4
gnrurgery	4
anwuyts	4
oluwavinting	4
Millaneca	4
camillaholmer1	4
yalzadpm	4
ganlucaellino	4



Graham Mackenzie



@gmacscotland



Top #ESSO38 tweeters & retweeters  
(European Society of Surgical Oncology)  
via NodeXL

Methods for new retweeter analysis to  
follow

@polom\_karol @ksoreide @sarkwatt  
@ymasannat @dr\_mohammadyami  
@essonews @celestino gutir  
@deliacortesguir @ibreastbook  
@juliomayol

#SoMe4Surgery

Rank	Tweets	% of retweets received	Cumulative % of retweets	Tweeters	Retweets made	Tweets	Retweets received
206	66	18.8%		sannat	135	26	
148	39	13.5%		news	132	7	
69	10	6.3%		stinogutir	60		
64	26	5.8%		icortesguir	59		
63	11	5.8%		astbook	58		
52	13	4.7%		im_karol	56	66	
47	11	4.3%		mayol	54		
47	11	4.3%		eide	44	39	
46	7	4.2%		gallo	24		
31	5	2.8%		sinder	19		
30	3	2.7%		jenkins	15		
30	9	2.7%		c	14		
24	3	2.2%		alorenzonmd	13	11	
20	21	1.8%		peancancer	12		
16	5	1.5%		nmohan1	11	3	
14	2	1.3%		t_katrin	9	5	
13	2	1.2%		raev2015	8		
13	3	1.2%		lucafellino	8	1	
13	1	1.2%		ssonbagge	8	9	
11	5	1.0%		johanna	8		

3:15 AM - 13 Oct 2018

2 Retweets 3 Likes

