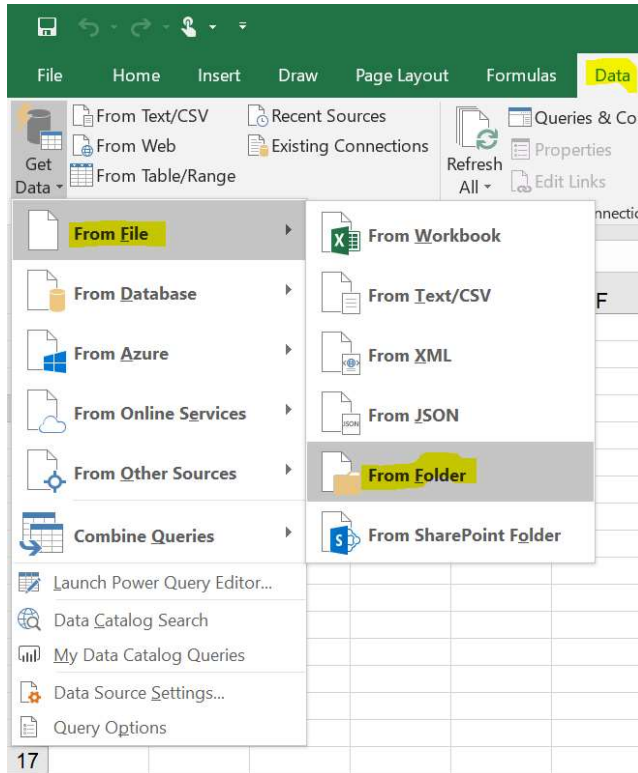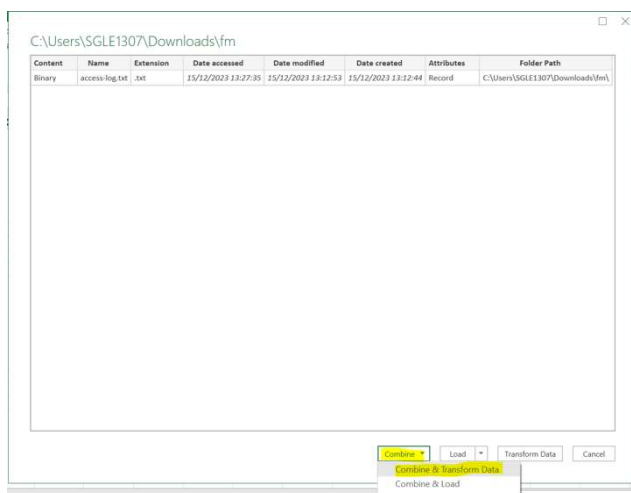## Determination of the user peak with Excel
(only works with Microsoft Office for Windows, not with Microsoft Office for Mac)

1. Copy the log files from the desired period into a local folder

2. Open a new Excel file, select Data > from file > from folder

3. Select the folder that the logs were copied to and then combine > combine & transform data > ok

4. Change the "Delimiter" to **space** and tick "Skip files with errors" at the bottom of the window

Combine Files

Specify the settings for each file. Learn more

Sample File:
First file

File Origin	Delimiter	Data Type Detection
1252: Western European (Windows)	Space	Based on first 200 rows

| Column1	Column2	Column3	Column4	Column5	Column6	Column7
[14/Aug/2023:00:00:05]	+0200]	▓▓▓▓▓	http-nio-8080-exec-20	172.28.128.90	POST	/wiki/json/startheartbeatactivity.
[14/Aug/2023:00:00:06]	+0200]	▓▓▓▓▓	http-nio-8080-exec-17	10.24.101.60	GET	/wiki/rest/api/content?title=SMA
[14/Aug/2023:00:00:11]	+0200]	-	http-nio-8080-exec-27	172.28.0.210	GET	/wiki/rest/synchrony/1.0/token/4
[14/Aug/2023:00:00:23]	+0200]	-	http-nio-8080-exec-30	10.199.1.189	GET	/wiki/rest/synchrony/1.0/token/4
[14/Aug/2023:00:00:23]	+0200]	-	http-nio-8080-exec-25	10.199.1.189	GET	/wiki/rest/synchrony/1.0/token/4
[14/Aug/2023:00:00:23]	+0200]	-	http-nio-8080-exec-31	172.28.0.210	GET	/wiki/rest/synchrony/1.0/token/4
[14/Aug/2023:00:00:31]	+0200]	▓▓▓▓▓	http-nio-8080-exec-20	172.28.128.76	POST	/wiki/json/startheartbeatactivity.
[14/Aug/2023:00:00:34]	+0200]	-	http-nio-8080-exec-12	10.1.100.88	GET	/wiki/rest/capabilities/navigation
[14/Aug/2023:00:00:35]	+0200]	▓▓▓▓▓	http-nio-8080-exec-27	172.28.128.35	GET	/wiki/rest/whitelist/1/check?url=
[14/Aug/2023:00:00:42]	+0200]	-	http-nio-8080-exec-13	10.30.130.225	GET	/wiki/rest/mywork/latest/status/
[14/Aug/2023:00:00:44]	+0200]	-	http-nio-8080-exec-30	10.1.100.88	GET	/wiki/rest/capabilities/navigation
[14/Aug/2023:00:00:54]	+0200]	-	http-nio-8080-exec-25	10.199.1.189	GET	/wiki/rest/synchrony/1.0/token/4
[14/Aug/2023:00:00:54]	+0200]	-	http-nio-8080-exec-31	10.199.1.189	GET	/wiki/rest/synchrony/1.0/token/4
[14/Aug/2023:00:01:05]	+0200]	▓▓▓▓▓	http-nio-8080-exec-17	172.28.128.90	POST	/wiki/json/startheartbeatactivity.
[14/Aug/2023:00:01:05]	+0200]	-	http-nio-8080-exec-12	172.28.0.210	GET	/wiki/rest/synchrony/1.0/token/4
[14/Aug/2023:00:01:12]	+0200]	-	http-nio-8080-exec-25	172.28.0.210	POST	/wiki/rest/analytics/1.0/publish/b
[14/Aug/2023:00:01:12]	+0200]	-	http-nio-8080-exec-30	172.28.0.210	POST	/wiki/rest/analytics/1.0/publish/b

☑ Skip files with errors   OK   Cancel

5. In the next window, remove all columns except Column 1 (which contains the date) and Column 3 (which contains the user name), then swap their positions.


fx = Table.ReorderColumns(#"Removed Columns",{"Column3", "Column1"})

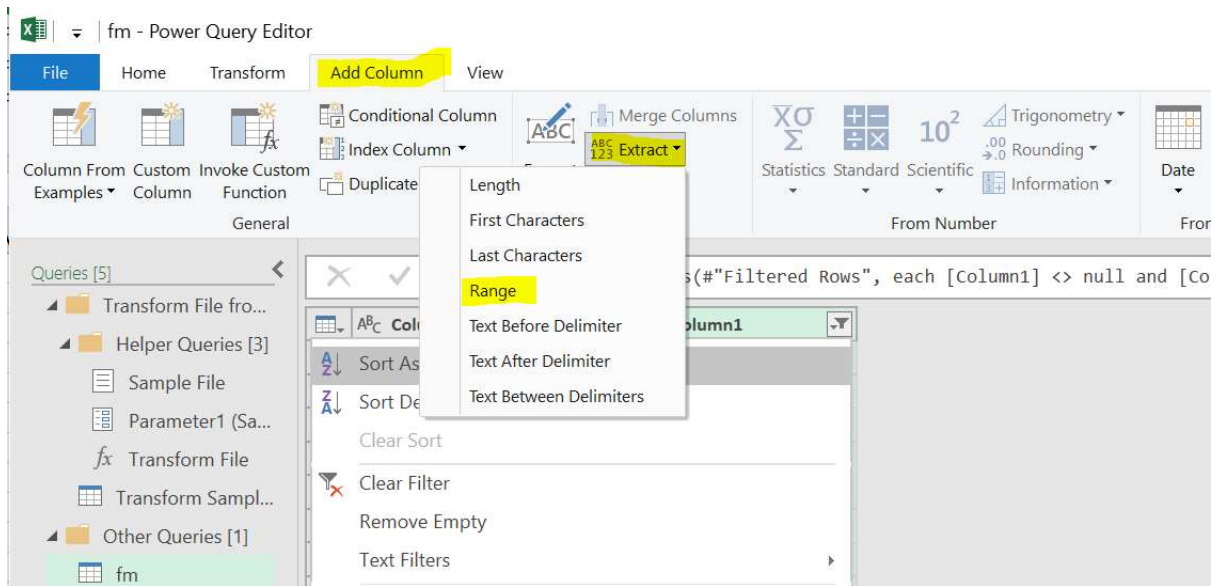|	Column3	Column1
1	▓▓▓▓▓	[14/Aug/2023:00:00:05]
2	▓▓▓▓▓	[14/Aug/2023:00:00:06]
3	-	[14/Aug/2023:00:00:11]
4	-	[14/Aug/2023:00:00:23]
5	-	[14/Aug/2023:00:00:23]
6	-	[14/Aug/2023:00:00:23]
7	▓▓▓▓▓	[14/Aug/2023:00:00:31]
8	-	[14/Aug/2023:00:00:34]
9	▓▓▓▓▓	[14/Aug/2023:00:00:35]
10	-	[14/Aug/2023:00:00:42]
11	-	[14/Aug/2023:00:00:44]
12	-	[14/Aug/2023:00:00:54]
13	-	[14/Aug/2023:00:00:54]
14	▓▓▓▓▓	[14/Aug/2023:00:01:05]
15	-	[14/Aug/2023:00:01:05]
16	-	[14/Aug/2023:00:01:12]
17	-	[14/Aug/2023:00:01:12]
18	-	[14/Aug/2023:00:01:12]
19	-	[14/Aug/2023:00:01:12]

6. Now click on the selection arrow in the column with the dates and
   → Click once on "Remove empty".
   → Make sure that the items "Zero", "Empty" and "-" are not selected.
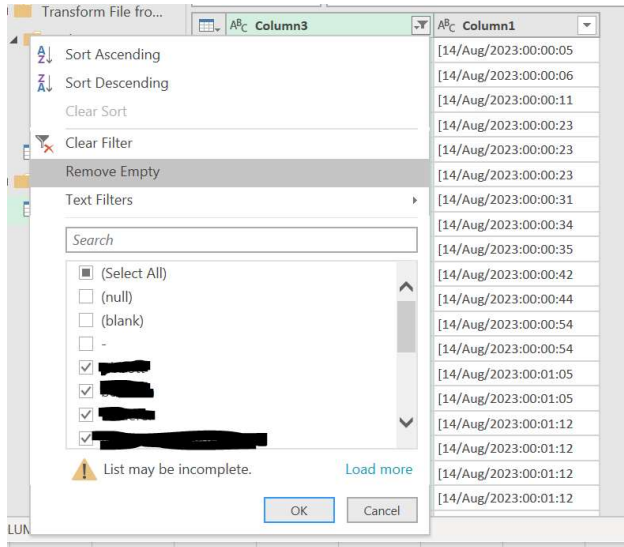
7. Now click on the selection arrow in the column with the names and
   → Click once on "Remove empty".
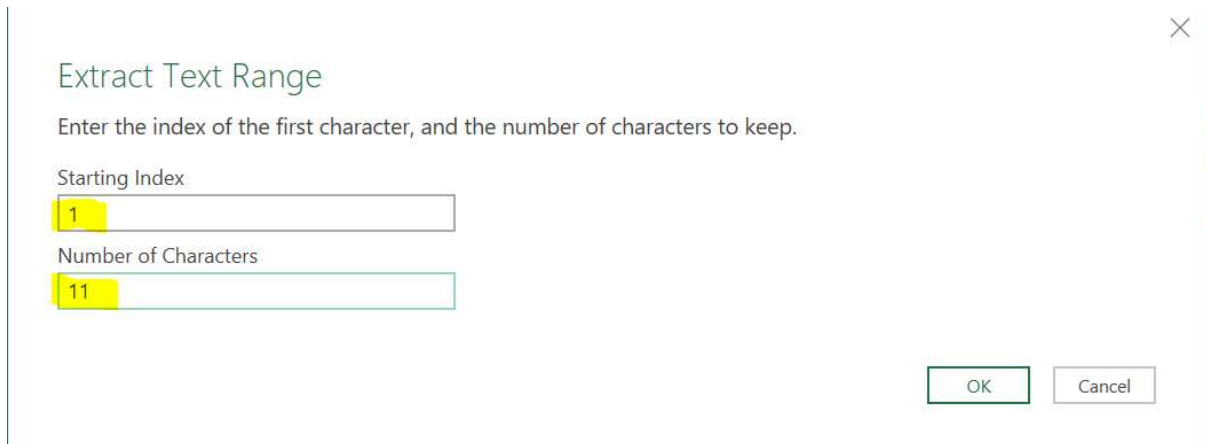   → Make sure that the items "Zero" and "Empty" are not selected.
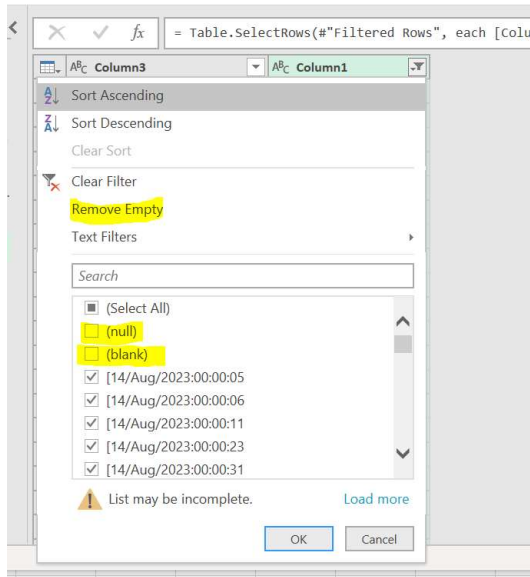
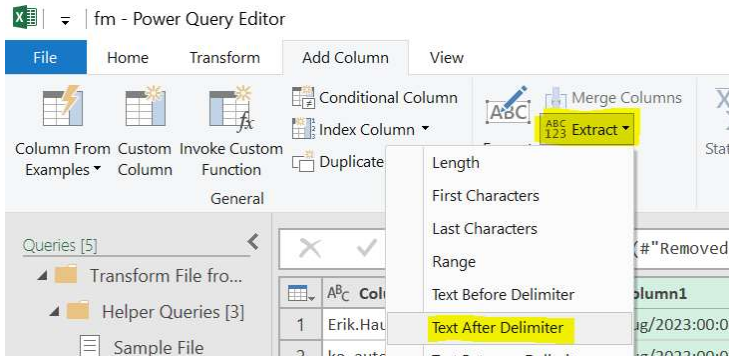8. After selecting the date column, select Add Column > Extract > Range
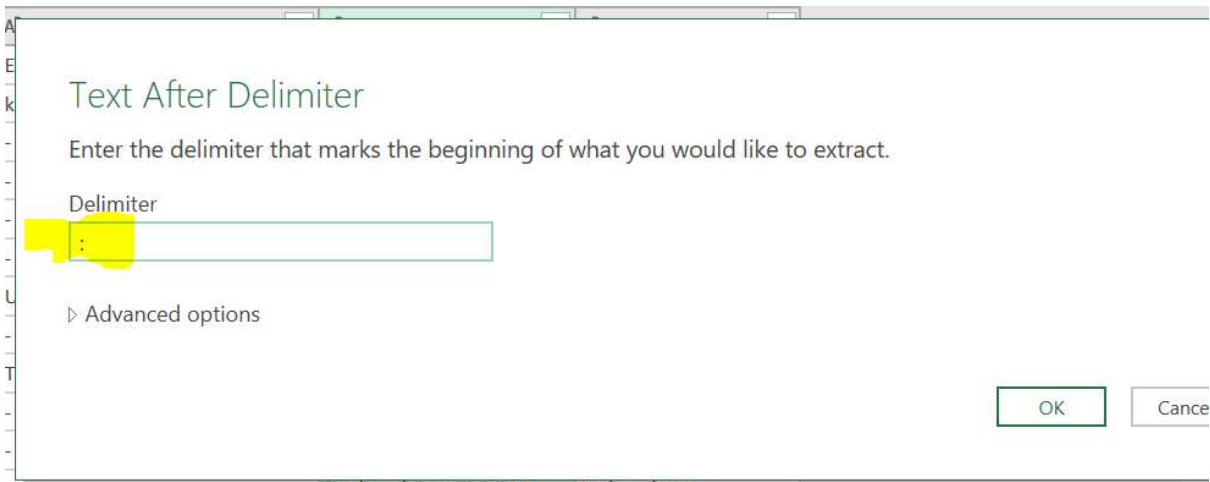

9. Enter the following values in the new window
   ➔ Start index: 1
   ➔ Number of characters: 11

10. Select the column with date and time and select Add column > Extract > Text After Delimiter
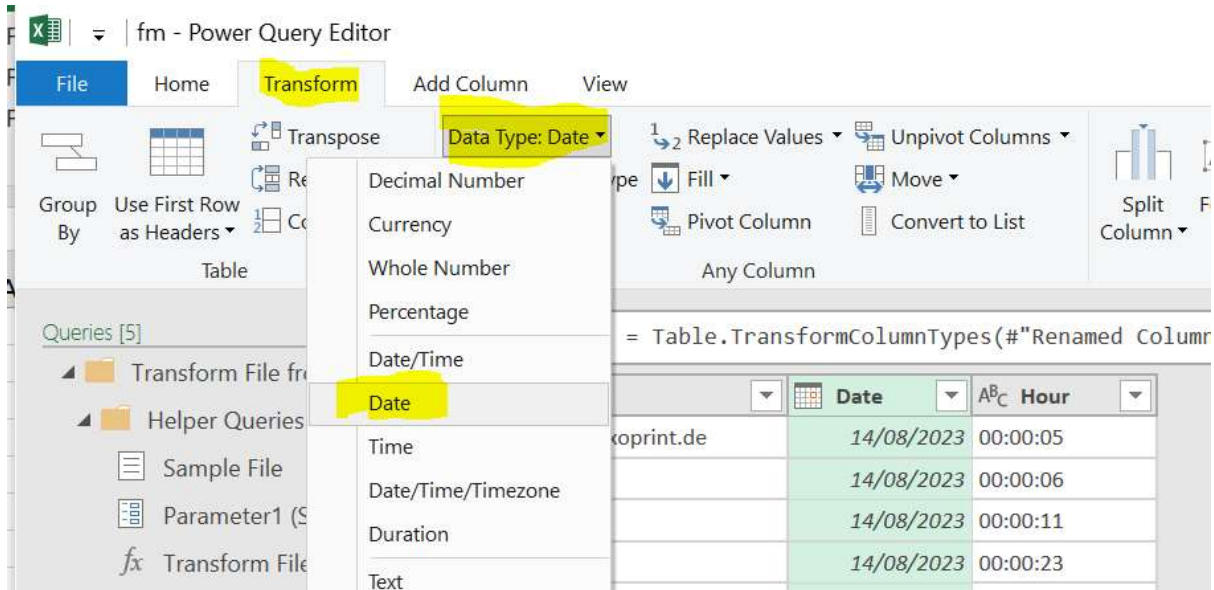

11. Enter : as the Delimiter

12. Make the following changes
    ➔ Column1 can now be deleted
    ➔ Rename Column3 to **User**
    ➔ Rename the column "Text Area" to **Date**
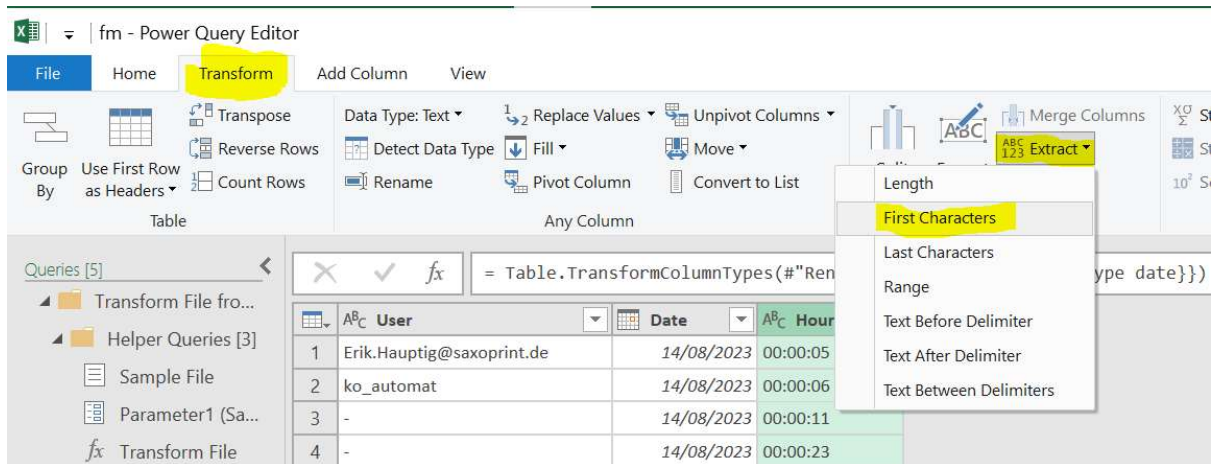   ➔ Rename the column Text by separator to **Hour**

13. Select the Transform> Data Type > Date

14. Select the hours column and select Transform > Extract > First Characters

15. and enter the value **2**

16. Now click File > Close and Load

17. Once the data has been loaded into Excel, click on "Load" with the 3 dots on the right-hand side
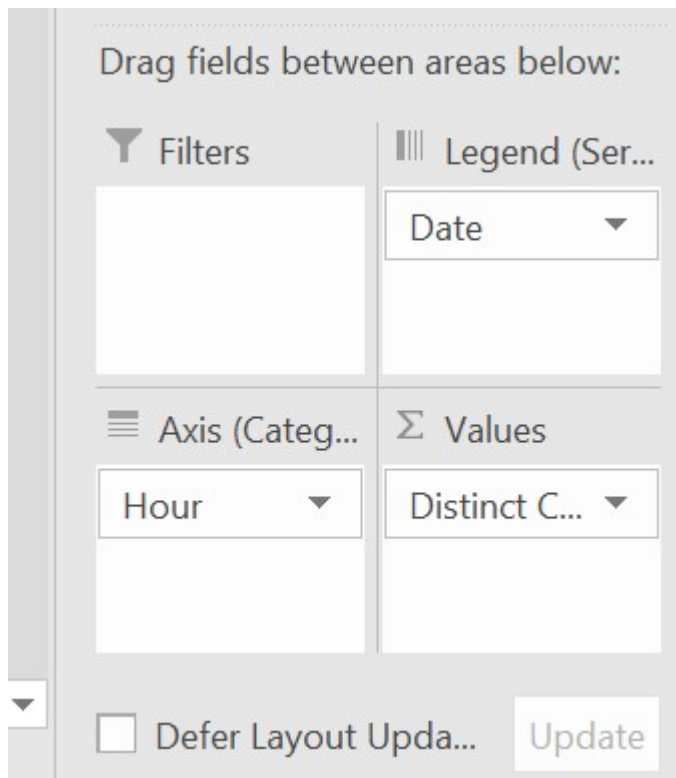
18. Now select "PivotChart" and "Add this data to the data model"
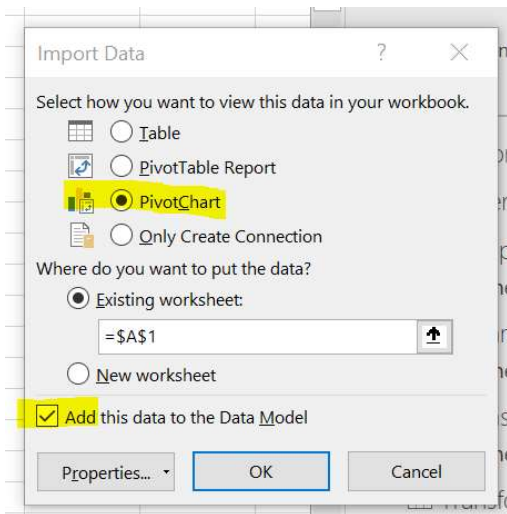
19. Designing the pivot table by arranging it as per the below

20. The final step is to set the value field for "Number of users" > "Discrete number"