**Changes and Info**

* 863 rοws ,20 cols
* first row deleted (id=..)
* Q,R cols (fem ,setup) deleted
* New colQ ( sequence) deleted
* In colM (variant) we had 2 values, standard and from the position. ‘From Position’ rows deleted
* In colL (time control) we converted the values into plain text and we separated the col using the ‘+’ as a seperator, we also divided it with 60 to get the values in minutes.
* While trying to concatenate many errors occurred(probably because of a strange formatting in french! In our next project we should copy all the values in a new sheet)
* Managed to concatene using coping and paste into other sheets! Splitted cols deleted and new one ‘TimeControl is created’
* A new google sheet was created and I copy-pasted -special-vlaues only.
* In our new sheet split and concatenate functions work fine . “timecontrol” col formatted without any problem
* Values changed to ‘plain text, dates and special numbers’ in both sheets
* Had to retrieve the ‘eco’ col, values checked(lost during copy-paste)
* New files with openings were downloaded with new games and the whole process restarted!
* Cols UtcDate and UtcTime concatenate and change the number to datetime. Col named UtcDateTime
* ColC Date changed to Date(raw) (some manipulation is needed in DataStudio)
* Cols named ‘WhiteRatingdiff’ and ‘BlackRatin..’ deleted
* Using filters in Col ‘Termination’ found and deleted 8 games that were abandoned without moves ( or only 0.5 moves) played.
* Using filters in Col Opening found and deleted 3 more games ended in the starting position without moves being played
* Col ‘Variant’ deleted ( all standard)
* Our set is cleaned and ready to go! Rows,cols : 810,13 (2021/11/8)

**Changes During Analysis Process**

* In Col ‘Time Control’ we need to make changes in some time formats. There are 362 games played in 10+5 format 26 games in 10+2 and 1 game in 10+3 format. Without messing up the core of the analysis it is optimal to merge all these values into 10+5.
* 15+3,15+5,15+10 merged into 15+5
* 5+10 (1) , 5+5(34), 5+8(1) merged into 5+5
* 7+3(47) , 7+5(112), 7+7(7),8+4(1) all merged into 7+5
* Col ‘Opening’ changed to ‘SubVariation’
* Col ‘ECO’ renamed ‘Opening(ECO)’ and the values renamed according to <https://www.365chess.com/eco.php>