

Analyzer

https://www.youtube.com/watch?v=cZK-MmcVOcY&list=PLt5jhPpkokeL_tljwYkE8M-Q8Lq3sBDq&index=18



Note

There are several Analyzer tutorial videos in a series following the video in the link above.

The Analyzer is by far the most popular and powerful feature in Logbook Pro for data analysis. Offering advanced filtering to provide the highest fidelity in data analysis as well as pivot-table modifications, the Analyzer has no limits as the data it can provide. Offering a "by Type" analysis of your data, the display can also show detail down to the particular Ident (N-Number) by clicking the + symbol to the left of the Aircraft Type. A high-speed engine provides rapid data analysis in many dimensions, all user-configurable. The Analyzer toolbar contains extensive customizing options as well as the ability to filter your data between select dates. To learn more on using the date filter capability, read the [Date Filter](#) section of this documentation. A Master Filter is available on the main toolbar to provide an overall filter, for example, if you only want to view data where you were pilot-in-command, choose PIC from the Analyzer toolbar and the Analyzer will only show values where the PIC field has a value entered. Further filtering can be accomplished by selecting the drop down filters at the top of the Analyzer data area and checking or unchecking the corresponding selection item. In another example, a pilot may want to determine how much Night Cross Country has been logged. To do this simply select a master filter of Night (or Cross Country) then look at the Cross Country column for the grand total of Cross Country flown, at night (since the master filter of Night was set). Setting the master filter of Night causes the analyzer to only show data where flights were accomplished with a night value logged (night flight time), all other columns will reflect the other data summaries, for example night cross country, night solo, etc.

Year	Quarter	Month	Week	Category	Class	Aircraft Characteristics				Power Characteristics				Type Rating	Complex		
AIRCRAFT MAKE & MODEL		AIRCRAFT IDENT		FLIGHTS	HOURS	ASEL	ASES	AMEL	AMES	HELO	GLIDER	GYROPLANE	BALLOON	AI			
✚AT-38BC				77	9481.7			9481.7									
✚B737 Sim				32	57.9												
✚B747				61	15157.1			15157.1									
✚C172	1370U			3	2.5	2.5											
	52258			16	14.0	14.0											
	9582V			5	5.8	5.8											
	9621V			1	1.1	1.1											
	97LP			2	2.7	2.7											
	Total			27	26.1	26.1											
✚C182	121			16	13.6	13.6											
	Total			16	13.6	13.6											
✚F-15 Sim				67	90.7			90.7									
✚F-15C				338	489.5			489.5									
✚F-15D				52	62.8			62.8									
✚F-16 Sim				5	7.5	7.5											
✚F-16C				38	37.1	37.1											
✚F-16D				7	8.4	8.4											
✚SAAC Sim (F-15)				4	2.8			2.8									
✚T-37 Sim				1	31.2			31.2									
✚T-37B				63	82.0												
✚T-38 Sim				5	37.4			37.4									
✚T-38A				116	137.1			137.1									
✚T-41C				37	29.7	29.7											
✚T-43A				300	935.6			935.6									
Total				1246	26688.2	122.4		26425.9									

Figure 1. Analyzer

The Analyzer is a multi-dimensional data display, or a Pivot-Table. The fields across the top (sub filters) and the fields vertical across the left (Type) can be drag and dropped relocated to other areas of the analyzer causing a data display to reflect the pivotable fields. Take the example below where the Year field is placed in the "data" row. Notice how the data is now broken down by year in Figure 2 below, instead of just one lump sum grand total. This drag and drop pivoting capability provides a powerful method of getting data summaries of your logbook.

1990						1991					
		SECOND IN COMMAND	DUAL	INSTRUCTOR	EVALUATOR	F	SECOND IN COMMAND	DUAL	INSTRUCTOR	EVALUATOR	F
+ AT-38BC + B737 Sim + B747 + C172 + C182 + F-15 Sim + F-15C + F-15D + F-16 Sim + F-16C + F-16D + SAAC Sim (F-15) + T-37 Sim + T-37B + T-38 Sim + T-38A - T-41C + T-43A		11.9					55.9				
	752		1.5								
	866		1.5								
	874		1.5								
	879		1.5								
	881		1.5								
	894		3.0								
	XXX		10.5								
	Total		21.0								
			--								

Figure 2. Analyzer Pivoted (Year Field) and split screen

The data area can be split into multiple scrolling regions by clicking and dragging the splitter at the far right of the horizontal scrollbar or the horizontal splitter at the top of the vertical scroll bar. Click and drag the splitter to place a divider at the desired location. Multiple splitters can be added to divide the data area. To remove a splitter, click and drag it to the far edge of the data where the splitter handle originated.

1990						
AIRCRAFT MAKE & MODEL	AIRCRAFT IDENT	FLIGHTS	HOURS	ASEL	ASES	AMEL
AT-38BC						
B737 Sim						
B747						
C172		12	15.5	15.5		
C182						
F-15 Sim						
F-15C						
F-15D						
F-16 Sim						
F-16C						
F-16D						
SAAC Sim (F-15)						
T-37 Sim						
T-37B						
T-38 Sim						
T-38A						
T-41C	752	1	1.5	1.5		
	866	1	1.5	1.5		
	874	1	1.5	1.5		
	879	1	1.5	1.5		
	881	1	1.5	1.5		
	894	4	3.3	3.3		
	XXX	11	11.6	11.6		
	Total	20	22.4	22.4		
T-43A						
Total		32	37.9	37.9		

Figure 3. Analyzer Print Preview

Analyzer data can be printed using the advanced printing system as shown in Figure 3 above. Click the hammer icon on the print preview toolbar to customize the column widths and other print settings prior to sending the output to the printer.

When using the Analyzer, explore the sub-toolbar and the right-click popup menus. Many options are available for formatting your data and customizing the display as desired. To learn about customizing the display, read the section on the [Analyzer Display Configuration](#) system. For more information about the Military Conversion system the Analyzer provides, read the section on [Military Conversions](#) in this help documentation.