

General

Field of application

The nls Pareto chart is an error analysis method. It is based on the Pareto principle ("80/20 rule"). The Pareto principle is a statistical phenomenon, which states that 20 to 30 percent of high values contribute 70 to 80 percent of the total value. The nls Pareto chart is a bar chart that sorts causes for error by frequency. Its aim is to distinguish between important and unimportant causes, and to determine the order of the solution.

Manual

The manual gives the user an understanding of the functionalities of the nls Pareto chart in a simple and comprehensible way. The manual does not explain theoretical project management approaches and thus covers the supported PM methods only to some extent. Specific roles and processes are not covered at all. For simplicity's sake, the formulations in this manual are to be understood as gender-neutral.

Right of use and Customizing

The tool was developed by next level solutions and thus belongs to next level holding GmbH. It is not an Open Source product that can freely be further developed. Above all, references to the owner have to remain in the tool and the logo and/or footer must not be removed or replaced.

Under licensing agreements the right of use will be granted to the licensee for a license fee (generally indefinitely).

Due to its simple architecture the tool can be adapted with little effort according to customers' specific requirements and system environments and implemented on short notice. The simple MS Office architecture results in limited technical framework; however, it is well-suited to react quickly to dynamic changes of requirements, organisational structures and system environment.

The manual is property of next level holding GmbH as well; it can, however, be distributed to or copied for all users within the scope of the license.

Regardless of the technical possibilities, customers are not allowed to use and / or distribute the tool and the manual beyond the agreed scope of the license, nor may technical changes be made that exceed the described tool functionality.

Basic configuration

System requirements and notes on how to use MS Excel

In order for nls Pareto chart to work properly, systemic frame conditions and some restrictions in the use of MS Excel are to be considered. nls Pareto chart requires at least MS Excel 2007 and VBA. Be careful not to work with Drag & Drop or Cut & Paste.

General information on handling all next level solutions' tools based on MS Excel can be found in a separate document "Important technical notes when working with tools based on MS Excel".

Basics

The nls Pareto chart is a single visible worksheet "Pareto chart" for input and graphical representation. You can enter up to 20 errors. By clicking the "Update" button, the list expands by one line.

Do not use Drag & Drop, which can damage the layout and functionality!

Application

Enter the values in the input fields (marked in yellow) and press the button "Refresh". You can enter values only in the spaces provided.

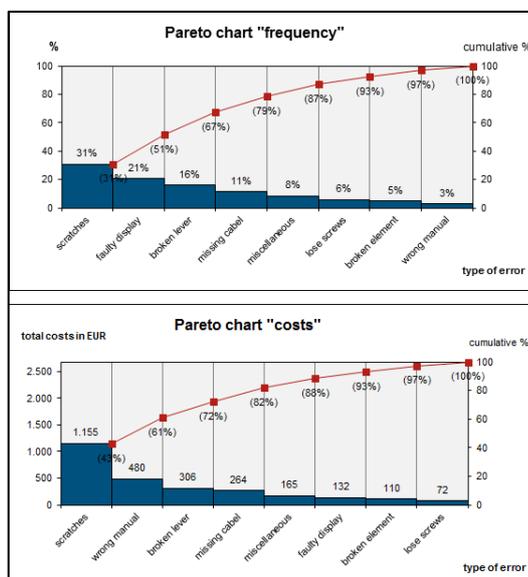
Pareto chart			
next level consulting			
Refresh			
Name: <input type="text"/>			
type of error	count	frequency in %	total costs
miscellaneous	9	8,41	165,00
broken lever	17	15,89	306,00
wrong manual	3	2,80	480,00
scratches	33	30,84	1.155,00
lose screws	6	5,61	72,00
broken element	5	4,67	110,00
missing cabel	12	11,21	264,00
faulty display	22	20,56	132,00
		0,00	
Total:	107	100,00	2.684

The chart is updated and a new blank line is inserted.

The chart "frequency" sorts types of error and displays them by "frequency in%".

The chart "costs" sorts and displays the types of error by "costs in%".

The blue bars represent the individual values from the table, the red line represents the cumulative value.



Further information

The nls Pareto chart is a tool for error analysis in process management.

The tool is freely available in the present structure with the next level solutions logo.

The workbook and the VBA code are locked.

Based on MS Office next level consulting has already developed specific IT solutions in project management and process management for several clients in the private and public sectors. next level also supports the entire process of professionalization of process management or the implementation of an IT tool if necessary.

The competence of the tools and related services by next level is bundled in next level solutions. Our trainers and consultants are happy to discuss a suitable product/service mix for your specific situation (context, conditions, and requirements). For questions and suggestions do not hesitate to contact us at office@nextlevel-solutions.eu.