

^{9.} These are the most important items, the "critical few," that should be investigated.

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Pareto Analysis – Example – 6in6 readership

- The 6in6 team wants to review and update the "most important" 6in6 presentations.
- Which ones are the most important? We use the metric "number of daily views."
- Yesterday, the most viewed 6in6 presentations were "QFD" and FMEA" (with 92 and 82 views). The number of views for the top 10 were {92, 82, 76, 60, 53, 32, 18, 6, 6, 4}.
- Use a Pareto Chart to determine how many of these to review. Follow the letters below:



• In this case there are 4 "vital few" 6in6 presentations (among the top 10) to review and update.

Pareto Analysis – Notes

Slide 1

Slide 2

 Pareto Analysis is named after Vilfredo Pareto, an Italian economist and sociologist. In 1906 Pareto observed that 80% of the land in Italy was owned by 20% of the people. The Pareto Principle is a theoretical concept, Pareto Analysis is a practical tool. Pareto diagrams are a root cause analysis tool. Pareto analysis supports data-driven decision making, increasing the accuracy and reliability of decisions. The purpose of a Pareto diagram is to separate the significant aspects of a problem from the trivial ones. You analyze a Pareto diagram by identifying those items that appear to account for most of the difficulty. Many common SW tools (e.g., Excel, Minitab, SPSS) create Pareto diagrams. Pareto Analysis issues: it does not provide solutions to issues and focuses on past data. 	 The data for this example is suggestive; the 6in6 website does not collect information on visits. There is often a need to reduce a large number of possibilities – in this case which 6in6 presentations to review – to a more manageable number. The most significant values in a Pareto Analysis are called the "vital few" while the rest are referred to as the "trivial many." Pareto charts can help locate the "vital few."
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