

Perry's Solutions, LLC

Quarterly Newsletter

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Welcome to our newsletter. It provides bullet inputs for your consumption. If you receive value from this, please share it with your network (e.g., LinkedIn, Twitter, Facebook).

DESIGNING A TEST IS NOT DOE

More and more, people will say “we are running a Design of Experiment” (DOE). A short investigation often indicates they are saying the word and not much more. Maybe I see an ASTM or similar test. This is being run as what I call a “verification” test. Or it is simply studying one input variable. These can be good tests, but a different objective than the knowledge creation a DOE is uniquely capable of obtaining. Claiming the power of DOE when it is not true sets false expectations and an assumed study depth. To quickly know the reality, ask “how many factors and what resolution?”

REQUIREMENTS – FROM NEW PRODUCT DEVELOPMENT TALK

As I was preparing for a talk in March, I was reminded of the challenge of requirements. Why is it so hard? I did some research in my numerous project management books. I found that most discussed requirements in either one or two paragraphs. The other books provided a system most suitable for NASA. There is a gap in between those two extremes, where many of us live. Look for future surveys and discussions on this topic.

TIME IS MONEY – AND MONEY TALKS

Doing a job faster and better is always desired. I surveyed the project results from all 16 years of teaching DOE at St. Thomas. These simple one-month projects saved on average 3 months of project schedule. This did not require extra work, just adjustments on how the work is done. I also reviewed cost savings data from the recent DOE class at St. Thomas where 7 projects saved a typical total of \$328k. This does not include a project that won a company a \$400k contract, or a project that saved \$750k in scrap.

Have a great day!



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