

# Perry's Solutions, LLC

Quarterly Newsletter

November 2021

Welcome to our quarterly newsletter. Since 2009 we have prided ourselves on providing you with clear and concise information that can be implemented in your daily operations. If you receive value from this, please share with a colleague.

## **MONTE CARLO ANALYSIS PRESENTATION**

Monte Carlo Analysis is relatively simple to perform. However, we need to recognize application areas and key ideas to be effective. <https://bit.ly/3rjKktP> This presentation provides general tips for success, followed by a detailed case study plus a few other examples. If you use Design Of Experiments (DOE) but have not used it before, we should talk about the gains available. Call us to develop and increase confidence quickly.

## **DOE PROCESS - VIDEO BRIEF**

When we need to learn about a new product or process, we tend to begin collecting the typical, standard data as soon as we can. Unfortunately, this has severe limitations. The typical process is ad hoc and misses opportunities to increase our learning. We created a Design of Experiments (DOE) Process video brief (three videos embedded in a one-page narrative) to show how we bridge this gap for better test execution. <https://bit.ly/18nytx0> Call us to help you gain the learning your project needs in a timely fashion.

## **DESIGN EXPERT V12/13 REVIEW**

With new software, we gain new capabilities. We can now create a logistic regression for binary data. While we often work to create variables data for our responses, it can still exist in certain situations. It also now has a Poisson fit for count data. There are new graphs and categoric contrasts that may provide benefit in reviewing results. Finally, we have the KCV designs for mixture situations (when process variables are included in the setup). It is a reduced, crossed model. Be aware: process main effects are ignored.

Have a great day!



651-230-3861  
Perry@PerrysSolutions.com  
[www.PerrysSolutions.com](http://www.PerrysSolutions.com)