

Title: Application of statistics**Instructor: Dr. Ross Wilcoxon**

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Description

This 3 hours course will give a brief overview of fundamental statistical methods that are used to identify the useful signals within a data set that may otherwise be obscured by the noise of data uncertainty. The class will provide the attendees with a better understanding of the how and why various statistical approaches are used as well as give tutorials on using various statistical analysis methods to understand and evaluate actual test data.

Course Outline

- Statistical Distributions
- Comparing Data
- Dealing with Bad Data
- Regression Analysis.

Who Should Attend

The course is designed for staff members, technical managers, reliability engineers, quality and production manager of electronic and Microsystems production as well as Master of science and PhD students interested in the field.

Author Bio

- Ross Wilcoxon is a Technical Fellow with Collins Aerospace in Cedar Rapids, IA.
- Advanced Technology group within Mission Systems
- Primary focus is on electronics cooling and packaging for military and commercial avionics
- Also work with the Advanced Manufacturing group in designing, and analyzing the results of reliability tests
- Was an assistant professor of mechanical engineering at South Dakota State University before starting with Rockwell Collins in 1998