Global CompliancePanel

Netzealous
Knowledge, a Way Forward…

2-day In-person Seminar:

Applied Statistics for Scientists and Engineers

Philadelphia, PA

May 25th & 26th, 2017

9:00 AM to 6:00 PM

Price

Price: **$1,495.00**

(Seminar for One Delegate)

Register for 5 attendees

Price: **$4,485.00** You Save: $2,990.0 (40%)*

~~$7,475.00~~

ENROLL

***Please note the registration will be closed 2 days (48 Hours) prior to the date of the seminar.*

Heath Rushing

Co-founder and Principal, Adsurgo

Heath Rushing is the cofounder of Adsurgo and author of the book Design and Analysis of Experiments by Douglas Montgomery: A Supplement for using JMP. Previously, he was the JMP and Six Sigma training manager at SAS. He led a team of nine technical professionals designing and delivering applied statistics and quality continuing education courses. He created tailored courses, applications, and long-term training plans in quality and statistics across a variety of industries to include biotech, pharmaceutical, medical device, and chemical processing.

Overview :

Throughout 21 CFR and guidance documents for the pharmaceutical, biopharmaceutical, and medical device industries, the application of statistical methods are specified for: setting validation criteria and specifications, performing measurement systems analysis (MSA), conducting stability analysis, using design of experiment (DOE) for process development and validation, developing process control charts, and determining process capability indices.

Different statistical methods are required for each of these particular applications. Data and tolerance intervals are common tools used for setting acceptance criteria and specifications. Simple linear regression and analysis-of-covariance (ANCOVA) are used for setting expiries and conducting stability analysis studies.

Agenda:

Day One

Lecture 1: Basic Statistics
- Sample versus population
- descriptive statistics
- describing a distribution of values

Lecture 2: Intervals
- confidence intervals
- prediction intervals
- tolerance intervals

Lecture 3: Hypothesis Testing
- introducing hypothesis testing
- performing means tests
- performing normality tests and making non-normal data normal

Lecture 4: ANOVA
- defining analysis of variance and other terminology
- discussing assumptions and interpretation
- interpreting hypothesis statements for ANOVA
- performing one-way ANOVA
- performing two-way ANOVA

Day Two

Lecture 1: Regression and ANCOVA
- producing scatterplots and performing correlation
- performing simple linear regression
- performing multiple linear regression
- performing ANCOVA
- using model diagnostics

Lecture 2: Applied Statistics
- setting specifications
- Measurement Systems Analysis (MSA) for assays
- stability analysis
- introduction to design of experiments (DOE)
- process control and capability
- presenting results

Why should you attend:

21 CFR and guidance documents for the pharmaceutical, biopharmaceutical, and medical device industries specify the application of statistical methods across the product quality lifecycle.

According to the Quality System Regulation (QSR) for medical devices, "Where appropriate, each manufacturer shall establish and maintain procedures for identifying valid statistical techniques required for establishing, controlling, verifying the acceptability of process capability and product characteristics." Although there are many statistical method that may be applied to satisfy this portion of the QSR, there are some commonly accepted methods that all companies can and should be using to develop acceptance criteria, to ensure accurate and precise measurement systems

Who Will Benefit:

This seminar is designed for pharmaceutical, biopharmaceutical, and medical device professionals who are involved with product and/or process design:

- Process Scientist/Engineer
- Design Engineer
- Product Development Engineer
- Regulatory/Compliance Professional
- Design Controls Engineer
- Six Sigma Green Belt
- Six Sigma Black Belt
- Continuous Improvement Manager

Group Participation

10%	2 Attendees to get offer
20%	3 to 6 Attendees to get offer
25%	7 to 10 Attendees to get offer
30%	10+ Attendees to get offer

Payment Option

1. Credit Card: Use the Link to make Payment by Visa/Master/American Express card click on the register now link
2. Check: Kindly make the check payable to NetZealous DBA GlobalCompliancePanel and mailed to 161 Mission Falls Lane, Suite 216, Fremont, CA 94539, USA
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What You will get

1. Learning Objectives
2. Participation certificates
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5. Special price on future purchase of web based trainings.
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7. Special price on future seminars by GlobalCompliancePanel.
8. Seminar Kit – includes presentation handout, ID card, brochure, trainings catalog, notepad and pen.
9. Networking with industry's top notch professionals

Contact Information: Event Coordinator

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Kindly get in touch with us for any help or information.

Look forward to meeting you at the seminar

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