Global CompliancePanel

Netzealous
Knowledge, a Way Forward…

2-day In-person Seminar:

Applied Statistics for Scientists and Engineers

Boston, MA

November 5th & 6th, 2018

9:00 AM to 6:00 PM

Price

Price: **$1,295.00**

(Seminar for One Delegate)

Register for 5 attendees

Price: **$3,885.00** You Save: $2,590.0 (40%)*

~~$6,475.00~~

Register for 10 attendees

Price: **$7,122.00** You Save: $5,828.0 (45%)*

~~$12,950.00~~

ENROLL

Register now and save $200. (Early Bird)

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



Jim Wisnowski

Jim Wisnowski is the cofounder of Adsurgo LLC and co-author of the book Design and Analysis of Experiments by Douglas Montgomery: A Supplement for using JMP. He has over 25 years of experience and currently provides training and consulting services to industry and government in Design of Experiments (DOE), Reliability Engineering, Data Visualization, Predictive Analytics, and Text Mining. Dr. Wisnowski has been an invited speaker on applicability of statistics for national and international conferences.

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, to fully characterize manufacturing processes, to monitor and control process results

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
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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

GlobalCompliancePanel