

*Webinar on*

# **Stability Studies And Estimating Shelf Life With Regression Models**

# Learning Objectives

- Regression Modeling (Linear and Non-Linear)*
- Handling Non-Normal Response Data*
- Introduction to Accelerated Stability Testing*
- Planning a Stability Study*
- Performance Specifications*
- Determining Shelf Life*
- Confidence Levels*



The webinar will provide useful methods and techniques for conducting a stability study and analyzing the resulting data for the purpose of estimating shelf life.

**PRESENTED BY:**

*Steven Wachs has 25 years of wide-ranging industry experience in both technical and management positions. Steve has worked as a statistician at Ford Motor Company where he has extensive experience in the development of statistical models, reliability analysis, designed experimentation, and statistical process control.*

On-Demand Webinar

Duration : 75 Minutes

Price: \$200

# Webinar Description

Manufacturers of foods, drugs, consumer goods, and other products must determine the shelf life of their products so that customers know when the product can be expected to perform as intended. Many approaches are available to quantify the "shelf life" and the method(s) chosen often depend on the testing time available.

This webinar discusses the steps to set-up a stability study and analyzes the results to estimate the product's shelf life. The use of regression models to model the relationship between the response variable(s) and time are presented. Models useful for describing non-linear degradation over time are also presented. Additionally, methods for handling non-normal response data are also discussed. Finally, the use of accelerating variables to shorten the study time and the models required are introduced. The webinar includes several examples to illustrate the methods discussed.

The webinar will provide useful methods and techniques for conducting a stability study and analyzing the resulting data for the purpose of estimating shelf life. Participants should be able to immediately apply the methods presented. Also, the interpretation and communication of results will be stressed.



# Who Should Attend ?

*R&D Personnel , Quality Personnel*

*Product Development Personnel*

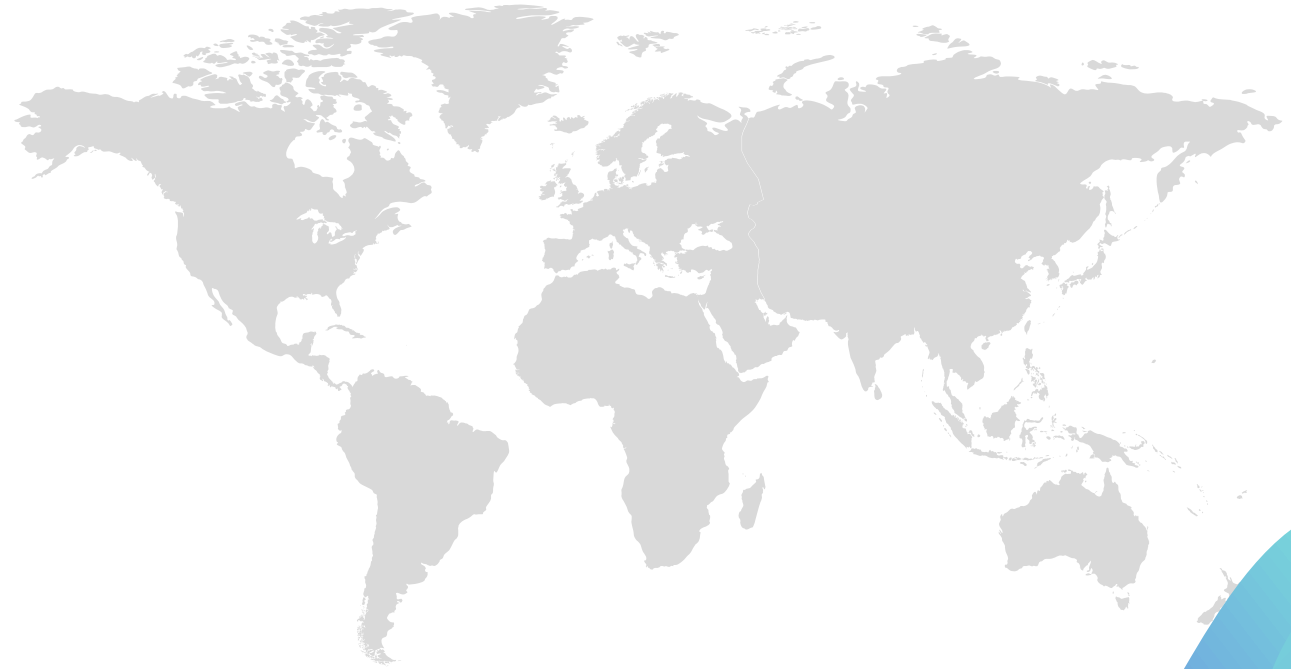
*Lab Testing Personnel*

*Operations / Production Managers*

*Quality Assurance Managers, Engineers*

*Process or Manufacturing Engineers or Managers*

*Program or Product Managers*



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