SimulationsPlus
Cognigen | DILIsym Services | Lixoft

Special Topics Course in Pharmacometric Methods

September 21st-22nd, 2022

Workshop Overview

This intermediate-level pharmacometric training workshop has been designed to provide in-depth coverage of material beyond that which is included in a typical introductory workshop on non-linear mixed effects modeling / population methods. Each topic will be presented from both a theoretical and practical perspective, with a high-level introduction to the topic and then more detailed material and code examples included where possible (depending on the topic, code will be provided using NONMEM, Monolix, or R).

Learning Objectives

Topics will include but are not limited to the following:
- Covariance Terms
- Residual Variability: coding and interpretation for a variety of models
- Methods for handling data below the limit of quantitation
- Mixture Modeling
- Overview of modeling categorical endpoint data
- Time-to-event modeling

Course Instruction

Course instructors will include experienced pharmacometricians from the Cognigen division of Simulations Plus.

Agenda (all times are Eastern Standard Time)

Wednesday
Time	Topic
11:00 - 11:15	**Welcome and Introduction to the Workshop**
11:15 - 12:15	**Including Covariance Terms of the OMEGA Matrix: Why, When and How**
12:15 - 12:30	Screen Break (15 min)
12:30 - 13:45	**Coding, Interpreting and Diagnosing the Appropriateness of Residual Variability Error Models**
13:45 - 14:45	**Methods for Handling Data Below the Limit of Quantitation**
14:45 - 15:00	**Discussion and Open Q&A**

Thursday
Time	Topic
11:00 - 11:05	**Intro and Follow-up Questions**
11:05 - 12:05	**Mixture Modeling**
12:05 - 12:20	Screen Break (15 min)
12:20 - 14:05	**Overview of Methods for Modeling Categorical Endpoint Data**
14:05 - 15:05	**Time-to-Event Modeling**
15:05 - 15:15	**Discussion and Concluding Q&A**

Virtual Platform/Requirements

The course will be delivered remotely via the Microsoft Teams platform over a proposed schedule of two half-days. In addition to a moderated chat stream for use during the live lectures, each lecture topic will include time for Q&A with the presenter. The chat stream will be provided to all participants following the course. Attendees are requested to mute their lines and turn off cameras during lectures but are encouraged to unmute simd turn on cameras during discussions, Q&A, and breaks.

Register online! simulations-plus.com/workshops

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Industry
Academia

Title: Professor   Dr.   Mr.   Mrs.   Miss   Ms.

First name:

Last name: **Company:**

Job Title: **Department:**

Address:

Telephone: **Email:**

Purchase Order No. (if applicable):

Cost: $1,800 USD

Method of payment (Please select one):

☐ **Payment by invoice** (you will be invoiced upon receipt of your completed registration form)

☐ **Payment online** (you will be redirected to the payment portal when registering online at simulations-plus.com/register-training-workshop)

Terms and Conditions
Registration: A registration confirmation email will be issued upon successful registration at the following web site: **simulations-plus.com/register-training-workshop**

Cancellations: Cancellations with a refund minus 4% credit card fees may be made two weeks prior to course start date. No refunds will be given for cancellations received after the start date. Substitutions may be made at any time.

Payment Terms: Following completion and return of the registration form, the total fee must be paid within 30 days of receipt of invoice. All fees must be paid in full prior to the start of the workshop.

SimulationsPlus
SCIENCE + SOFTWARE = SUCCESS

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