

Moving Averages

For Instrument Manager™

Course Description

This course will review the role of Moving Averages in lab operations and allow students to practice using Instrument Manager™ Moving Averages in a simulated lab environment. This course includes instruction and interactive experience in the configuration of Moving Averages protocols, and assessment of data and charts generated.

Prerequisites

Participants should have an understanding of basic statistical concepts and how their laboratory intends to use the Moving Averages application. Participants may be required to review assigned materials prior to attending workshop.

Prior attendance in an Instrument Manager course for system builders and administrators and/or experience using Instrument Manager™ is highly recommended. The Moving Averages application should be installed in participant's laboratory prior to attending workshop.

Course Agenda

Virtual Sessions: 2 Days 1:00PM - 4:30PM

Welcome and Introductions

IM's role in laboratory workflow

Introduction

Describing the concept of the moving average

Differentiating among three common charts:

Shewhart, Levy-Jennings and Moving Average

Calculation types supported

Simple moving average, Exponential moving average, Bull's moving average

General Setup

Defining the Moving Average Desktop appearance

General Configuration Overview

Colors, Fonts, Line width, Refresh interval

Protocol Setup

The command bar icons/actions

General Protocol Options

Protocol Details

Series, Warnings and Errors

Setting Notifier events and Security Permissions

Rescaling Charts based on Actual Data

Copy/Edit/Delete a protocol

Import/Export a protocol

Data Filters

Creating filters using the Filter Wizard

Applying filters to a Protocol

Deleting filters

The Moving Average Desktop

Panes contained in the Desktop window

Re-sizing the panes

Displaying protocol charts

Viewing multiple charts simultaneously

Editing the chart data

Interpreting the Moving Averages chart