

# High-Impact Training



## **ODS EXCEL®** **Programming Techniques** **By Example**

*A Popular 3-hour Instructor-led course on  
Tuesday, February 20<sup>th</sup>, 2018; 5:30 pm – 8:30 pm !*

**Location: Holiday Inn Express Suites Belmont, 1650 El Camino Real, Belmont, California 94002**

### **Course Overview**

This 3-hour instructor-led course provides attendees with valuable programming techniques on how to build high-impact Excel® files and workbooks with a purpose using SAS® Base software. SAS software is the “gold” standard for robust and reliable data access, manipulation, analytics, analysis, reporting, and data discovery. Microsoft Excel® is the most widely used software in the world. This popular course illustrates how to leverage the Output Delivery System (ODS) Excel destination to create customized, and exciting, output and results in Microsoft Excel; apply ODS Excel options; customize output and results with SAS-supplied styles; add background images and traffic lighting to Excel files and workbooks; build interactive drill-down Excel workbooks; and construct SAS and ODS Excel code to share data, tables, statistics, images, reports, and results to create robust Microsoft Excel files and workbooks.

### **By attending this course, attendees will acquire important skills about:**

- ✓ Essential SAS programming techniques
- ✓ “Custom” Excel files and workbooks
- ✓ Essential ODS EXCEL options and arguments
- ✓ The creation of static and interactive “drill-down” files and workbooks
- ✓ A step-by-step process to Build incredible Excel files and workbooks (user interfaces)
- ✓ Adding background images and traffic lighting scenarios to Excel files and workbooks
- ✓ The creation of “custom” Excel files and workbooks using SAS Base software

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# ODS EXCEL<sup>®</sup> Programming Techniques by Example

## Who should attend?

ODS EXCEL<sup>®</sup> Programming Techniques by Example is a 3-hour instructor-led course designed for SAS users possessing a minimum of 1-year programming experience. A basic understanding of basic DATA step, PROC step, and Output Delivery System (ODS) programming knowledge is encouraged by all attendees.

## Course Topics

### ODS EXCEL Destination Basics

- ✓ Review of Output Delivery System (ODS) Basics
- ✓ What Can be Done with the ODS EXCEL Destination
- ✓ ODS EXCEL Syntax, Options and Arguments

### Customizing Output with ODS EXCEL Options

- ✓ Adding a New Sheet for each BY-group
- ✓ Building Multi-sheet Excel Workbooks
- ✓ Changing Font Type for Text, Cells, Rows, Columns, and Headers

### Adding Background Images to Excel Workbooks

- ✓ Background Image Features

- ✓ Adding a Background Image
- ✓ Centering a Background Image

### Adding Traffic Lighting to Excel Workbooks

- ✓ Traffic Lighting Features
- ✓ Adding Traffic Lighting with PROC FORMAT

### Building “Drill-down” Excel Workbooks

- ✓ “Drill-down” (or Interactive) Features
- ✓ Using PROC FORMAT to Build Hyperlinks
- ✓ Using ODS EXCEL to Build a “drill-down” Excel Workbook

## SAS Application Developer, Programmer, Educator and Author Kirk Paul Lafler



**Kirk Paul Lafler** is an entrepreneur and founder of Software Intelligence Corporation. Kirk has worked with SAS software since 1979 as a consultant, application developer, programmer, SAS solutions provider, data analyst, data manager, infrastructure specialist, performance tuner, educator and author. As a SAS Certified professional, mentor, educator at Software Intelligence Corporation, and advisor and SAS programming adjunct professor at the University of California San Diego Extension, Kirk has taught SAS courses, seminars, webinars and workshops to thousands of users around the world.

Kirk has written six books including Google<sup>®</sup> Search Complete (Odyssey Press. 2014) and PROC SQL: Beyond the Basics Using SAS, Second Edition (SAS Press. 2013); hundreds of papers and articles on a variety of SAS topics; selected as an Invited speaker and educator at SAS International, regional, special-interest, local, and in-house user group conferences; and is the recipient of 25 “Best” contributed paper, hands-on workshop (HOW), and poster awards.

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Software Intelligence Corporation ♦ E-mail: [KirkLafler@cs.com](mailto:KirkLafler@cs.com) ♦ LinkedIn: <http://www.linkedin.com/in/KirkPaulLafler>

# Registration Information and Form

If you're looking for the most cost-effective and up-to-date training, Kirk Paul Lafler and Software Intelligence Corporation courses, seminars and hands-on workshops prepare you for tomorrow, today. As a world leader in the design and development of high-impact static and interactive dashboards and scorecards, Kirk possesses nearly 40 years' experience developing SAS programming techniques. This course provides users with the latest SAS software features, cutting-edge techniques and know-how – information that will help you achieve greater success and put you ahead of the competition. Kirk invites all SAS users to attend this popular instructor-led course, and expand your programming knowledge using the SAS software. This instructor-led course is taught using a tutorial, step-by-step example, approach.

## To Register

1. Register one person per form. Make additional copies if necessary.
2. Print or type all requested information on each form to process registration.
3. RSVP the names of each attendee by sending an email to KirkLafler@cs.com no later than Monday, February 19<sup>th</sup>, 2018.
4. Bring registration form along with payment in the form of a business or personal check, cashier's check, or money order.  
(**Note:** Credit Cards cannot be accepted for this training event!)
5. **Training Location:** Holiday Inn Express Suites Belmont, 1650 El Camino Real, Belmont, California 94002.
6. **Make payment for \$189 to:** Software Intelligence Corporation.

## Attendee Information (Please enter all requested information, below)

ODS EXCEL<sup>®</sup> Programming Techniques by Example (3-hours – \$189)

Tuesday, February 20<sup>th</sup>, 2018; 5:30 pm – 8:30 pm

(Location: Holiday Inn Express Suites Belmont, 1650 El Camino Real, Belmont, California 94002)

Dr.  Professor  Mr.  Mrs.  Ms.

Name \_\_\_\_\_

Organization \_\_\_\_\_

Department \_\_\_\_\_

Address #1 \_\_\_\_\_

Address #2 \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

Phone \_\_\_\_\_

E-mail \_\_\_\_\_

## Cancellations and Substitutions

Upon registering, attendee(s) are considered successfully enrolled in the program. Should the attendee(s) decide to cancel their enrollment; a cancellation fee will be charged. Cancellations must be submitted in writing. Cancellations 3 days or more in advance of the course start date will be given a complete refund, minus a \$50 processing fee. Cancellations received less than 3 days before the start of the course will be subject to a \$50 cancellation fee. "No shows" for a course is not considered a cancellation – payment will not be refunded. "No shows" will be sent a copy of the course notes in the form of a PDF document. Please note that attendee substitutions are permissible as long as it is communicated within 3 days prior to the start of the course.

Software Intelligence Corporation provides attendees with cost-effective, comprehensive, and effective technical knowledge. We offer our products, support, education, and consulting, in 10 countries. Copyright © 2015 – 2018, Software Intelligence Corporation. All rights reserved.

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