

## [SAS-SVSO84]: SAS Visual Statistics in SAS Viya: Interactive Model Building

Length : 2 Days  
Delivery Method : Instructor-led (Classroom)

### Course Overview

This course introduces SAS Visual Statistics for building predictive models in an interactive, exploratory way. Exploratory model fitting is a critical step in modeling big data. This course is appropriate for users of SAS Visual Analytics in SAS Viya 8.3.

The self-study e-learning includes:

- Annotatable course notes in PDF format.
- Virtual Lab time to practice.

### Audience Profile

Predictive modelers, business analysts, and data scientists who want to take advantage of SAS Visual Statistics for highly interactive, rapid model fitting

### At Course Completion

Learn how to use SAS Visual Analytics for SAS Viya to

- Perform statistical analysis of data of any size.
- Create a report with pages.
- Determine useful preferences and settings.
- Create segments, or clusters, of input variables.
- Perform regression and logistic regression modeling.
- Perform decision tree modeling.
- Perform stratified model fitting.
- Perform model validation.
- Compare models.
- Generate score code.

### Pre-Requisites

Before attending this course, you should have an understanding of regression and logistic regression analysis for predictive modeling. You can gain this knowledge from the Statistics 1: Introduction to ANOVA, Regression, and Logistic Regression course. You should also have experience using SAS Visual Analytics, which you can gain from the SAS Visual Analytics 1 for SAS Viya: Basics course.

This course addresses SAS Visual Statistics, SAS Viya software.

#### AVANTUS TRAINING PTE LTD

80 Jurong East Street 21 #04-04 Devan Nair Institute Singapore 068897  
Main Line: +65 6661 0888 | Fax: +65 6661 0886  
Email: [enquiries@AvantusTraining.com](mailto:enquiries@AvantusTraining.com)  
[www.AvantusTraining.com](http://www.AvantusTraining.com)

## Course Outline

### Module 1: Introduction to SAS Visual Statistics

#### Lessons

- Managing reports and pages.
- SAS Viya architecture.

### Module 2: Cluster Segmentation

#### Lessons

- Segmentation concepts.
- Cluster analysis.

### Module 3: Models with Continuous Targets

#### Lessons

- Linear regression models.
- Generalized linear models.
- Generalized additive models.
- Model validation.

### Module 4: Models with Categorical Targets

#### Lessons

- Logistic regression.
- Nonparametric logistic regression.
- Interactive group by.
- Decision trees.

### Module 5: Model Comparison and Assessment

#### Lessons

- Comparing models.
- Scoring.

#### **AVANTUS TRAINING PTE LTD**

80 Jurong East Street 21 #04-04 Devan Nair Institute Singapore 068897

Main Line: +65 6661 0888 | Fax: +65 6661 0886

Email: [enquiries@AvantusTraining.com](mailto:enquiries@AvantusTraining.com)

[www.AvantusTraining.com](http://www.AvantusTraining.com)