

# SAS® Visual Statistics in SAS® Viya®: Interactive Model Building

Course code: SVS035

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.

## Who is the course for

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

## What we teach you

use SAS Visual Statistics 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
- Add splines to models
- Perform decision tree modeling
- Perform stratified model fitting
- Perform model validation
- Compare models
- Generate score code

## Required skills

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.

## Course outline

- Introduction to SAS Visual Statistics
- Managing reports and pages
- SAS Viya architecture
- Cluster Segmentation
- Segmentation concepts
- Cluster analysis
- Models with Continuous Targets
- Linear regression models
- Generalized linear models
- Generalized additive models
- Model validation
- Models with Categorical Targets
- Logistic regression
- Modeling with group-by variables
- Decision trees
- Decision trees in SAS Visual Statistics
- Model Comparison and Scoring

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- Comparing models
- Scoring

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