

# 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.

Affiliate	Duration	Course price	ITB
Bratislava	2	1 000 €	0

The prices are without VAT.

## Course terms

Date	Duration	Course price	Type	Course language	Location
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## 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

### GOPAS Praha

Na Strži 2097/63  
140 00 Praha 4 - Krč  
Tel.: +420 226 201 390  
[info@gopas.cz](mailto:info@gopas.cz)

### GOPAS Brno

Nové sady 996/25  
602 00 Brno  
Tel.: +420 530 513 590  
[info@gopas.cz](mailto:info@gopas.cz)

### GOPAS Bratislava

Dr. Vladimíra Clementisa 10  
Bratislava, 821 02  
Tel.: +421 902 903 132  
[info@gopas.sk](mailto:info@gopas.sk)



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

- 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
- Comparing models
- Scoring

#### **GOPAS Praha**

Na Strži 2097/63  
140 00 Praha 4 - Krč  
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#### **GOPAS Brno**

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Tel.: +420 530 513 590  
[info@gopas.cz](mailto:info@gopas.cz)

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Bratislava, 821 02  
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[info@gopas.sk](mailto:info@gopas.sk)



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