INTRODUCTION TO SAS UNIVERSITY EDITION

SEAN ROBSON, SAS CANADA

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THE POWER TO KNOW®

THE AGENDA

- What is SAS University Edition?
- About the Data and the Story

DEMO

- Step 1: Importing Data
- STEP 2: Join the Datasets
- STEP 3: Filter Data and Name Tables
- STEP 4: Bar Chart
- STEP 5: Summary Table
- STEP 6: Create a Process Flow
- EXTRA: Machine Learning Models

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SAS ANALYTICS U | … NOT JUST FOR STUDENTS!

- Leverages the SAS Studio interface and includes SAS/ACCESS, SAS/IML, SAS/STAT and Base SAS
- Even some ETS included (TIMEDATA, TIMESERIES, ARIMA forecasting procedures)
- Totally free!
- Great way to practice/sharpen SAS skills outside of the office
- Huge online support community of instructors/professionals
- Download and install from the web, run locally
- Reach out to @SASAcademicCA for support/insight

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DOWNLOAD SAS UE

For Instructions to Download SAS UE please visit the link here.

Please Read the Instructions Carefully!!

- You work for the large telecommunications company ***BELLGERS***, which has been experiencing irregular account turnover over the last couple years. Your manger has asked you to analyze the company's customer churn data to get insight into this problem.

*the company mascot…

FREE TRAINING!

SAS Programming 1: Essentials

Overview	Prerequisites	Course Outline

This course is for users who want to learn how to write SAS programs. It is the entry point to learning SAS programming and is a prerequisite to many other SAS courses. If you do not plan to write SAS programs and you prefer a point-and-click interface, you should attend the SAS Enterprise Guide 1: Querying and Reporting course.

This course can help prepare you for the following certification exam(s): SAS Base Programming Exam for SAS 9, SAS Certified Clinical Trials Programmer Using SAS 9.

Learn how to

Formats available	Duration		
Classroom:	3.0 days		
Live Web Classroom:	6 half-day sessions	System Requirements	▶ View demo
e-Learning:	24 hours/1-yr license	System Requirements	▶ View demo

🟢 Need a practice version of SAS? Get a free learning version for academic and adult learners.

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Statistics 1: Introduction to ANOVA, Regression, and Logistic Regression

Overview | Prerequisites | Course Outline

This introductory course is for SAS software users who perform statistical analyses using SAS/STAT software. The focus is on *t* tests, ANOVA, and linear regression, and includes a brief introduction to logistic regression. This course (or equivalent knowledge) is a prerequisite to many of the courses in the statistical analysis curriculum. A more advanced treatment of ANOVA and regression occurs in the Statistics 2: ANOVA and Regression course. A more advanced treatment of logistic regression occurs in the Categorical Data Analysis Using Logistic Regression course and the Predictive Modeling Using Logistic Regression course.

This course can help prepare you for the following certification exam(s): SAS Certified Clinical Trials Programmer Using SAS 9, SAS Statistical Business Analysis Using SAS 9: Regression and Modeling.

Learn how to

- generate descriptive statistics and explore data with graphs

- perform analysis of variance and apply multiple comparison techniques

- perform linear regression and assess the assumptions

- use regression model selection techniques to aid in the choice of predictor variables in multiple regression

- use diagnostic statistics to assess statistical assumptions and identify potential outliers in multiple regression

- use chi-square statistics to detect associations among categorical variables

- fit a multiple logistic regression model.

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SAS Programming for R Users

Overview	Prerequisites	Course Outline

This course is designed for experienced R users who want to transfer their programming skills to SAS. Emphasis will be placed on programming and not statistical theory or interpretation. Students of this course should have knowledge of plotting, manipulating data, iterative processing, creating functions, applying functions, linear models, generalized linear models, mixed models, stepwise model selection, matrix algebra, and statistical simulations.

Learn how to

- read and write SAS programs

- import various forms of data

- subset and merge data tables

- do iterative processing and simulate new data

- create new variables and functions

- create and enhance plots of all types

- apply descriptive and inferential procedures including regression, logistic regression, analysis of variance, stepwise model selection, and mixed models

- conduct matrix algebra and statistical simulations in the interactive matrix language (IML)

- call R from SAS to use as a complimentary resource.

Who should attend
Experienced R users who want to transfer their programming skills to SAS

Formats available   **Duration**

Classroom: 2.0 days
Live Web Classroom: 5 half-day sessions   System Requirements   ▶ View demo

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