

# UPDATE FROM SAS

MATT MALCZEWSKI, SAS CANADA





USERS PROGRAM

SAS GLOBAL FORUM 2016

April 18-21 | Las Vegas, NV | The Venetian

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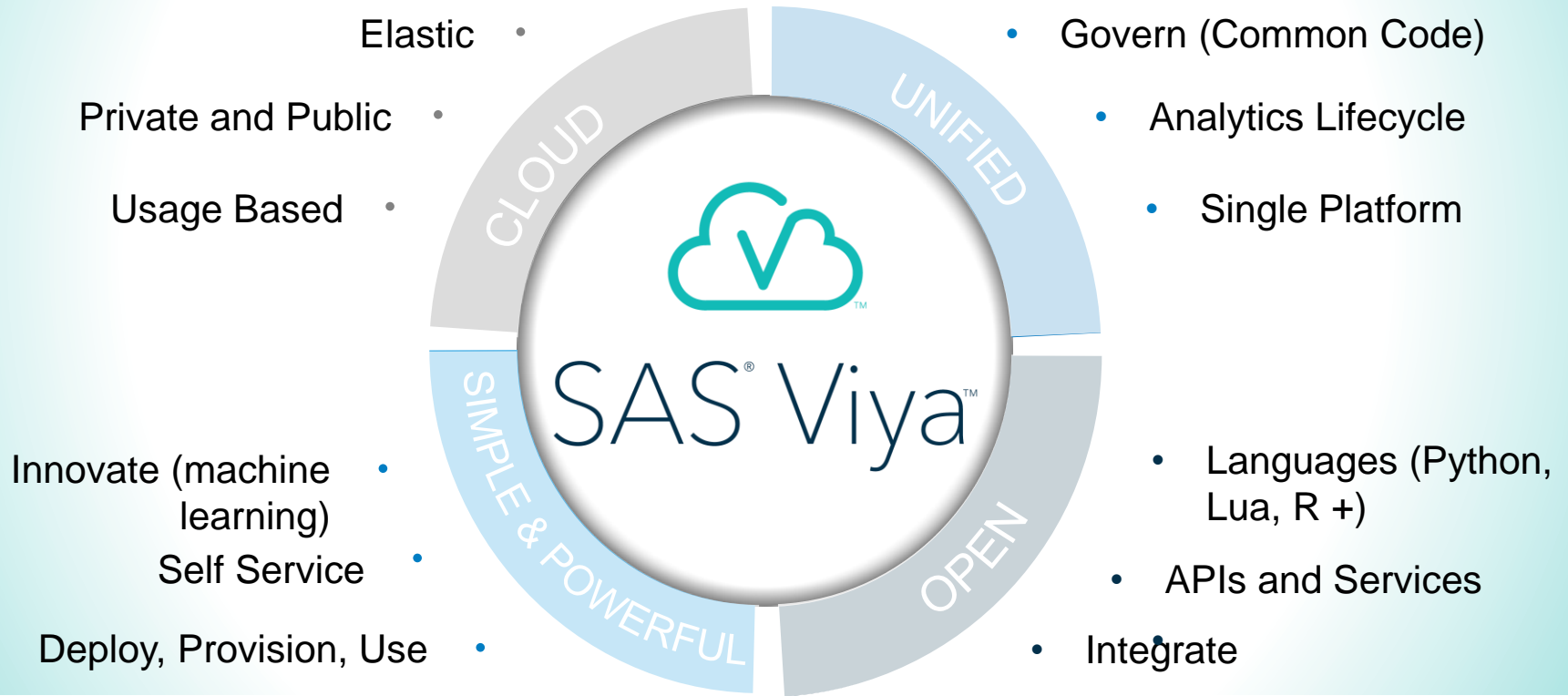
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## BIG NEWS

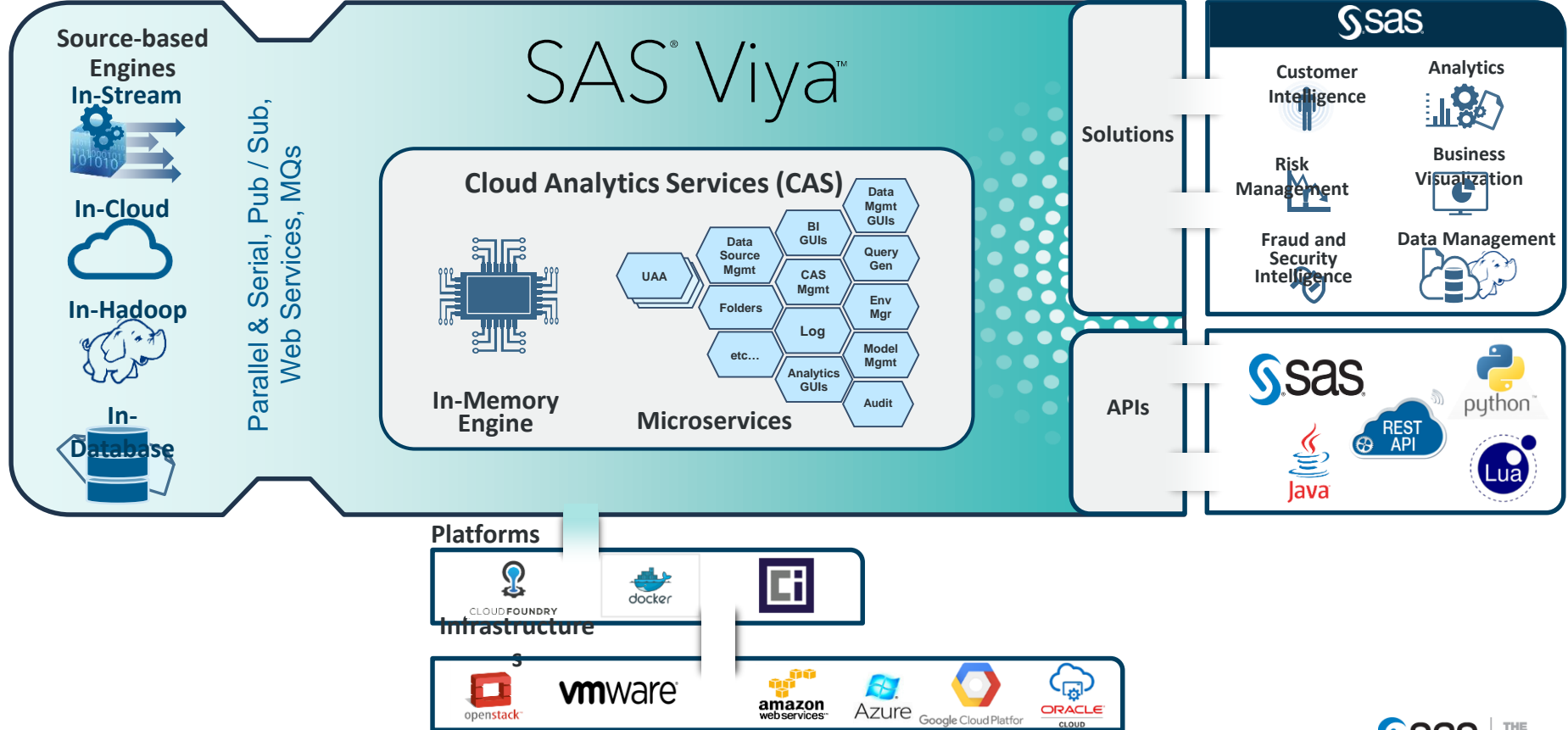


SAS<sup>®</sup> Viya<sup>™</sup>

# SAS VIYA: A NEW, MODERN, CLOUD-READY ANALYTICS ARCHITECTURE



# SAS VIYA CONCEPTUAL ARCHITECTURE



# CUSTOMER INTELLIGENCE 360



- Truly understand customer behaviour
- Create personalized interactions across channels
- Predictive & real-time analytics

# INTERNET OF THINGS

## SAS<sup>®</sup> Analytics for IoT

Apply analytics and visualization to IoT data at the source.

## FEATURES

- Covers the analytics lifecycle – from data capture to analytics to integration & deployment
- Event-stream processing handles millions of transactional data points and allows for real-time analytics/reporting



# PROCEEDINGS

- SAS:MWSUG papers
- SAS:NESUG papers
- SAS:PharmaSUG papers
- SAS:PharmaSUG China papers
- SAS:PhUSE papers
- SAS:PNWSUG papers
- SAS:SCSUG papers
- SAS:SESUG papers
- SAS:SeUGI papers
- SAS:SUGI papers
- SAS:VIEWS papers
- SAS:WUSS papers
- SAS:CDISC papers
- Fortune records
- Marsh 1001
- India
- South America


## SAS Conference Proceedings: SAS Global Forum 2016 April 18-21, 2016, Las Vegas, Nevada, 464 papers

[SASGF 2016](#) [SASGF 2015](#) [SASGF 2014](#) [SASGF 2013](#) [SASGF 2012](#) [SASGF 2011](#) [SASGF 2010](#) [SASGF 2009](#) [SASGF 2008](#) [SUGI 28](#) [SUGI 27](#) [SUGI 26](#) [SUGI 25](#) [SUGI 24](#) [SUGI 23](#) [SUGI 22](#) [SUGI 21](#) [SUGI 20](#) [SUGI 19](#) [SUGI 18](#) [SUGI 17](#) [SUGI 16](#) [SUGI 15](#) [SUGI 14](#) [SUGI 13](#) [SUGI 12](#) [SUGI 11](#) [SUGI 10](#) [SUGI 1984](#) [SUGI 1983](#) [SUGI 1982](#) [SUGI 1981](#) [SUGI 1980](#) [SUGI 1979](#) [SUGI 1978](#) [SUGI 1977](#) [SAS.ORG](#)

- [Breakout](#)
- [Hands-On Workshop](#)
- [Quick Tip](#)
- [Student Symposium](#)
- [Table Talk](#)
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### Breakout

 [Reading JSON in SAS® Using Groovy](#)  
[John Kennedy](#)

Pages: 5 Size: 196 Kb **Download** the [data file](#)  (.zip, 83 Kb)

 [Introduction to SAS® ODS ExcelXP Tagset: Exporting Formulas and Tables](#)  
[Veronica Renauldo](#)

Pages: 17 Size: 708 Kb

 [Limit of Detection \(LoD\) Estimation Using Parametric Curve Fitting to \(Hit\) Rate Data: The LOD\\_EST SAS® Macro](#)  
[Jesse Canchola](#) [Pari Hemyari](#)

Keywords: [macro](#)

Pages: 10 Size: 1043 Kb

# VIDEO ASSETS [HTTP://SASGF16.V.SAS.COM/](http://sasgf16.v.sas.com/)



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Users Program

Executive Program

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### Executive Program Keynote: Redefining Success: The Third Metric That Can Benefit Your Bottom Line

55:18

Arianna Huffington, Chair, President and Editor-in-Chief,  
Huffington Post Media Group



## Featured Videos



General Session: Keynote  
Presentation with Susan Cain  
41:14



Users Program Closing  
Thoughts and 2017 Conference  
Chair Introduction  
9:18  
2016 SAS Global Forum Conference Chair Jennifer  
Waller provide her closing thoughts and introduces the  
2017 SAS Global Forum Conference Chair,...



Executive Program Keynote:  
Redefining Success: The Third  
Metric That Can Benefit Your  
Bottom Line  
55:18  
Arianna Huffington, Chair, President and Editor-in-  
Chief, Huffington Post Media Group

## 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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Welcome to our Insights Center, where you can access the latest thinking on topics you care about – analytics, big data, data management, marketing, risk and fraud. We've assembled a variety of compelling content published by and curated from experts around the world. And it's not all about the SAS point of view – our aim is to cover the issues that you, your peers and your competitors are faced with daily and how they're being addressed. Ideas and inspiration often come from looking at the world from different perspectives – through a different lens. So browse around. Read. Watch. Share. And come back for new insights as often as you like.



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Risk Management

# 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](#).

### Formats available



Classroom:

### Duration

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.

# FREE TRAINING!

## 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.

# FREE TRAINING!

# \*\*BRAND NEW\*\*\*\* VISIT SAS.COM TRAINING

## 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

 Classroom:

 Live Web Classroom:

### Duration

2.0 days

5 half-day sessions

[System Requirements](#)

[View demo](#)



## Welcome to Friends of SAS!

We're very excited that you're here. Log in now to see what's waiting for you!

Please read and accept our [terms and conditions here](#).

We recommend you register with the same e-mail you were invited with.



Email \*

Password \*

Sign In

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Track your progress towards the Rewards you want.

Create Wish List

**Leaderboard**

My Leaderboard

Top 10

14		Divya Joshi	3,945
15		Mack Pitchford	3,220
16		Anonymous	3,115

Available

Waiting

Later

Completed

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User Group

**Calgary User Group Countdown!**



Business-level talks, #SAS coding tips & optimization discussions at the...

11 75

User Group

**Edmonton User Group Countdown!**



Pivot tables, #SAS coding tips, Enterprise Guide & much more - join us for...

12 75

SAS Canada Community

**1 Hour of SAS Knowledge that 'Packs a Punch'**



7 100

Education

**Posed Problem SOLUTION**



Social Media

**iGaming: Preparing for the next generation of players with analytics**



Fun

**Trivia time! How much do you really know about the Thanksgiving Holiday?**

I mean, other than stuffing our faces with turkey and pumpkin pie of course...

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- > Data Roundtable
- > Graphically Speaking
- > The SAS Bookshelf
- > The SAS Dummy
- > The SAS Training Post
- > SAS Users
- > SAS Voices
- > All Blogs

## Canadian SAS User Support

- > User Groups Canada
- > SAS Talks
- > E-newsletters
- > SAS Canada Community
- > SAS Canada Academic Program
- > Analytics Management Series

## Communities (communities.sas.com)

- > Data Management
- > ODS and Base Reporting
- > SAS Data Mining
- > SAS Administration and Deployment
- > SAS Enterprise Guide
- > SAS Procedures
- > SAS Visual Analytics
- > SAS Analytics U
- > All Communities

## Social Media

- > SAS Canada on Twitter
- > SAS Canada on Instagram
- > SAS Canada YouTube
- > SAS on Facebook
- > SAS on Google+
- > SAS on LinkedIn
- > SAS on Twitter
- > SAS on YouTube
- > Social Media Portal
- > SAS Canada Academic Program on Twitter



# A BIG THANK YOU

- Numerous Executive Team Members...
- ... and Colleen McGahan



**THANK YOU**

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THE POWER TO KNOW.