

# FANS Network Meeting

Cross Topics Göteborg - 9 nov 2023



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# Agenda

13:30	Välkomna och intro	
13:45	Syntetiskt data	Mathias Lanner
14:15	Bias mitigation - Hur modellerar vi så vi undviker skevhet i resultaten (bias)	Mathias Lanner
14:30	<i>Swedish fika</i>	
14:45	Improve the understanding of people's talent and potential from cognitive data using SAS Viya  Jonas och Cici går igenom Sigmas Hackathon-bidrag.	Jonas Tillström - Affärsområdeschef, Analys och AI  Jingshi (Cici) Min Eriksson - Dataanalytiker
15:15	VS Code – din nya SAS-vän	Daniel Ringqvist
15:30	Skicka meddelande till MS Teams med SAS	Daniel Ringqvist
16:00	Avslutning	

# Välkommen till hösten 2023

11-14/9-23	SAS Explore   User Conference   Las Vegas
20/9-23	SAS Viya and Microsoft Azure Kubernetes   Virtual (English)   13.00 - 16.00
27/9-23	Programming - Solna/Hybrid   13.00 - 16.00
4/10-23	Platform & Data Management   Solna/Hybrid   13.00 - 16.00
12/10-23	Visual Analytics   Solna/Hybrid   13.00 - 16.00
25/10-23	An Introduction to Customer Intelligence   Virtual (English)   10.00 - 11.00
25/10-23	Customer Intelligence   Oslo/Hybrid (English)   13.00-15.00
27/10-23	SAS Platform Overview   Solna/Hybrid   9.00 - 11.30
9/11-23	Cross Topics   Göteborg/Hybrid   13.00 - 16.00
24/11-23	AML (Anti-Money Laundering)   Copenhagen/Hybrid (English)   09.00-12.30
30/11-23	FANS Vinteravslutning   Solna/In-person   15.00 - 21.00



# Bli medlem i FANS

<https://www.sas.com/sas/events/nordic/fans-nordic-sas-user-group/become-member.html#sweden>

## Förbättringar 2024

- 5 plåtar till Innovate
- 10 plåtar till sommar/vinter-festerna, 2 för Personal
- Oförändrat pris

Package	FANS Virtual Networking Meetings	FANS In-Person Networking Meetings	FANS Networking/Social Events (Tickets)	SAS Innovate Event, US (Tickets)*	SAS Days (Days)	SAS Live web courses -50% discount***	E-learning subscription package****	Knowledge Sharing page in the Education Portal	Fee per year - SEK
FANS Premium Company	Yes	Yes	Yes (10)	Yes (5)**	Yes (2)	Yes (3)	Yes (1)	Yes	22.000
FANS Premium Personal	Yes	Yes	Yes (2)	Yes (1)**	No	Yes (1)	No	No	3.500
FANS Free Personal	Yes	Yes	No	No	No	No	No	No	0

# Bra informationskällor

# FANS startsida förstås!

[sas.com/fans-se](https://sas.com/fans-se)

**fans** Become a FANS Member  
#SASFANS

Network Meetings ▾ Join ▾ Useful Links ▾ SAS Explore ▾ Cortex game About FANS ▾

- SAS Training
- SAS Communities
- SAS Communities Nordic
- SAS YouTube Channel
- SAS Documentation
- SAS Support


Do par SA gro  
A use help  
you get the most value from your SAS  
technology.

FANS is a member-driven Nordic SAS User Group. As a member, you can meet your peers and build your network. Join our meetings, learn new things via tips & tricks, and presentations, and get the latest news and updates. You can also share knowledge and experience and discuss relevant topics

**sas**

# Informationskällor

[https://www.sas.com/en\\_us/resource-center.html](https://www.sas.com/en_us/resource-center.html)



## SAS Resource Center

All the latest information. In the ways you prefer to be informed.


From white papers to blog posts, SAS has an extensive library of resources to help you get up to speed, sharpen your skills or explore new topics in the technology industry.

- › Analyst Viewpoints
- › Blogs at SAS
- › Bookstore
- › Communities
- › Customer Success Stories
- › Events
- › Fact Sheets
- › Newsletters
- › Overview Brochures
- › Product Briefs
- › SAS Insights
- › SAS Newsroom
- › Solution Briefs
- › Training
- › Webinars
- › White Papers & E-Books

# Blogs@SAS

## Trending Topics

### Data for Good



August 28, 2023  
Facing the future with women in STEM  
Olivia Ojeda




August 17, 2023  
How smart meter data revolutionizes the utility industry  
Caslee Sims



August 14, 2023  
Breaking down barriers in tech with Code the Dream  
Lexi Regalado



August 10, 2023  
3 rules for managing your analytics organization  
Sean O'Brien



August 7, 2023  
Using data to inform policies for continuing the fight against the  
Juan Colon

### Data Visualization



August 28, 2023  
Generate random uniform points on an ellipse  
Rick Wicklin



July 26, 2023  
Using Word with SAS for Microsoft 365 as a Marketing Maven  
Anna Prioletti



July 19, 2023  
Using PowerPoint with SAS for Microsoft 365 as a Sales Storyteller  
Renato Luppi



July 12, 2023  
Using Outlook with SAS for Microsoft 365 as a Creative Collaborator  
Briana Ullman



July 5, 2023  
Using Excel with SAS for Microsoft 365 as a Data Detective  
Sasha Karpinski

### Programming Tips



September 13, 2023  
The SG annotation macros in SAS  
Rick Wicklin



September 11, 2023  
On the performance of BY-group processing in SAS IML  
Rick Wicklin



September 6, 2023  
Model data from published summary statistics  
Rick Wicklin



August 31, 2023  
Review garbage characters in RTF output on Unicode SAS  
Yinliang Wu



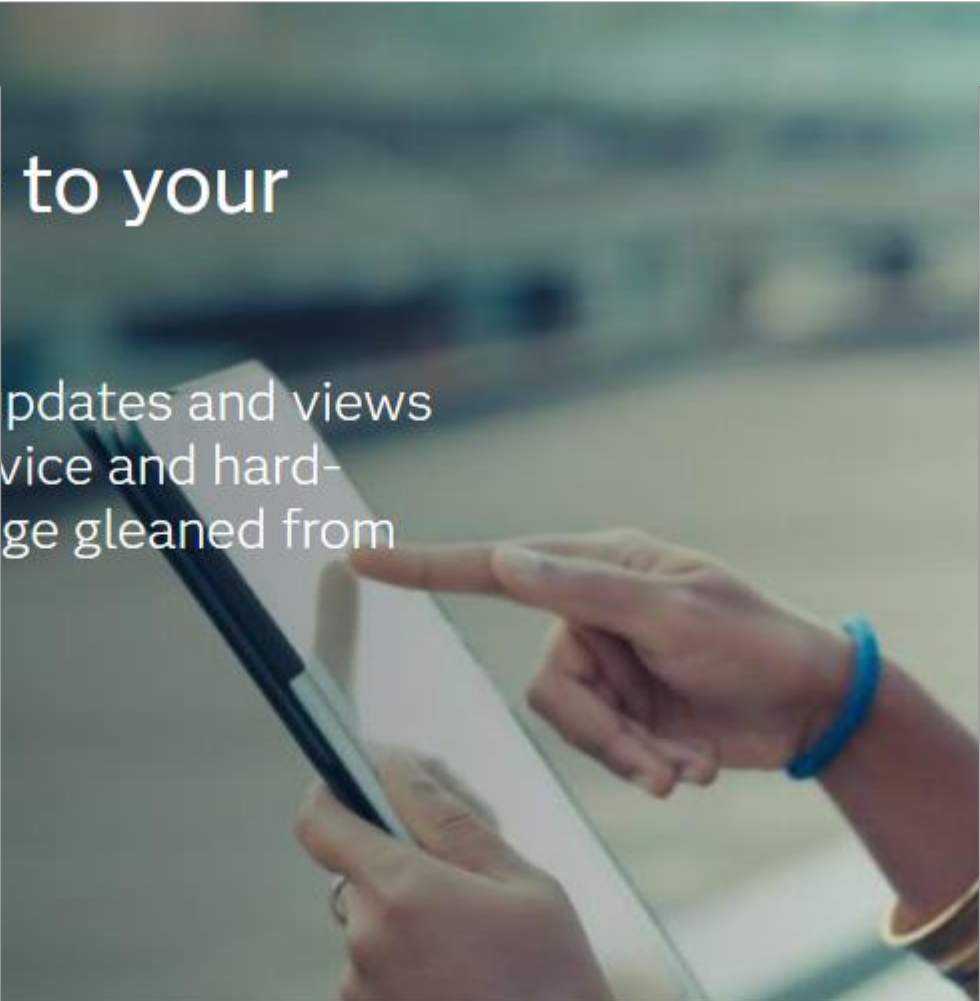
August 30, 2023  
Simulate the use of personal checks in the US  
Rick Wicklin



# Nyhetsbrev


[www.sas.com/en\\_us/news/e-newsletters.html](http://www.sas.com/en_us/news/e-newsletters.html)

NEWSLETTERS




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### Tech

Hear from SAS users of all skill levels. Each issue includes tips, how-tos, examples, article highlights, videos, and other resources.



### Tech Support

Get news and operational announcements from the SAS Technical Support team delivered to your inbox.

 Insights	 Tech	 Learning	 Tech Support	 Books
Read the latest trends on various topics, including big data, artificial intelligence, machine learning, IoT, and more.	Hear from SAS users of all skill levels. Each issue includes tips, how-tos, examples, article highlights, videos, and other resources.	Get monthly training, certification, and publications news, event updates, seminar listings, and exam prep materials.	Get news and operational announcements from the SAS Technical Support team delivered to your inbox.	Get monthly updates on new books by SAS experts, including bestsellers now trending with SAS programmers and developers.

# Nyhetsbrev

[www.sas.com/en\\_us/news/e-newsletters.html](http://www.sas.com/en_us/news/e-newsletters.html)



## Tech

Hear from SAS users of all skill levels. Each issue includes tips, how-tos, examples, article highlights, videos, and other resources.

SAS Tech Report: July 2023 update

Beverly Brown - SAS Tech Report Editor <techeditor@sas.com>  
To Daniel Ringqvist

Retention Policy EX-3YR-DELETE (3 years) Expires 2026-07-26

If there are problems with how this message is displayed, click here to view it in a web browser.

### News, Tips & Tricks

**Save big with SAS Explore flash sale**  
For a limited time, secure full access to SAS Explore and get one night's hotel stay at the ARIA for just \$995 – a \$700 discount off the standard rate. Immerse yourself in [four full days of learning](#) alongside thousands of like-minded technology peers. Learn best practices and see real-world examples of how AI is transforming the way we work. [Register Now](#).

**Learn to use PowerPoint with SAS for Microsoft 365 for compelling storytelling**  
SAS' Renato Luppi shows you how to craft a riveting data-driven presentation in [this post](#), the third installment of a [four-part blog series](#).

**Check out approaches to authentication to SAS Viya**  
SAS Developer Advocate Joe Furbee steps you through OAuth options to unlock SAS analytical capabilities.

**Find out how to visualize the Spearman rank correlation**  
SAS' Rick Wicklin offers [another take](#) on the [Spearman rank correlation](#), which he characterizes as "a robust cousin" to the Pearson correlation.

**Get started with mapping in SAS Visual Analytics**  
SAS' Greg Treiman, in his [latest YouTube tutorial](#), shows you how to plan a tour of U.S. National Parks using geographic data.

**Get a preview of the SAS + Snowflake integration**  
Tune into the [SAS Viya Highlights Release Show](#) to learn about new features including a faster version of SAS Visual Analytics, new JSON job definitions, SAS Visual Studio code extensions, new custom steps and more.

[Register early for SESUG 2023](#)

# Webbinarer Live



Live



On-Demand



Explore



Live Webinar

### Empowering Women in Law Enforcement: Breaking Barriers, Inspiring Change

Women are underrepresented in policing. Join us as we explore the challenges and solutions for recruiting women in policing.

September 18, 2023



Live Webinar

### How AI is Powering Accurate, Scalable Load and Generation Forecasting

Join us as we discuss how energy planners at utilities can take advantage of advances in AI to gain insights into advanced forecasting models in the cloud.

September 20, 2023



Live Webinar

### Generative AI: What Boards of Directors Should Consider

Learn effective, cost-efficient and compliant ways to implement generative AI and large language model analytics.

September 21, 2023



Live Webinar

### AI and Machine Learning in Action Using SAS® Viya®: A Detailed Use Case

Join this webinar to learn how SAS Viya uses embedded AI capabilities to benefit an organization's operations.

September 26, 2023



Live Webinar

### Understanding the Critical Role of Data Modernization on Analytics



Live Webinar

### Enhance the Customer Experience and Create Value for Your



Live Webinar

### The Data Scientist Learning Journey: From the Lab to the Job



Live Webinar

### Trustworthy AI Using SAS®: A Technical Discussion



# Webbinarer On-Demand

Webinars

Events Podcasts



Live



On-Demand



Explore

Select One



By Industry



ASK THE  
EXPERT



On-Demand Webinar

**10 Tips for Simulating Data With SAS®**

Join this webinar to learn 10 tips that enable you to write efficient simulations in SAS.



On-Demand Webinar

**Your Next Analytics Project:  
Aligning Business Needs With  
Time, Cost and Risk**

Join this webinar to discover strategies to ensure a successful analytics upgrade.

ASK THE  
EXPERT



On-Demand Webinar

**The Lost Art of Reading and  
Loading Raw Data Into SAS®**

Join this webinar to learn the critical step of uploading your valuable data into SAS.

ANALYTICS IN 20



On-Demand Webinar

**Still Talking Supply Chains?  
Solving for Manufacturing  
Disruption in Health Care and Life  
Sciences**

Join us as we discuss ways your organization can use technology and analytics to mitigate supply chain challenges across health care and life sciences.

# SAS Youtube-kanal

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Sök

Hem

Shorts

Prenumerati...

Bibliotek

**SAS Software** ✓

@SASSoftware 86 200 prenumeranter 877 videor

SAS is the leader in analytics. Through innovative analytics and AI, SAS em... >

[sas.com](https://sas.com) och 5 ytterligare länkar

Prenumererar ▾

HEM VIDEOR SHORTS LIVE PODCASTS SPELLISTOR COMMUNITY KANALER >

**Data is Everything: SAS Viya is More Productive AI and Analytics**

SAS Software ✓ 3 506 visningar · för 4 månader sedan

Yesterday, the world produced more data than ever. And tomorrow, there's going to be even more. You can either be slowed down by all this information. Or you can find a faster way to get...

SAS Viya ▶ Spela upp alla

SAS Viya is an AI, analytic and data management platform that runs on a modern, scalable architecture. Why SAS Viya? Better decisions, maximum value, faster outcomes. That's the SAS...

**SAS Viya at SAS Explore | AI & Analytics Innovation**

SAS Users

**Forrester Wave | SAS a Leader in AI Decisioning**

SAS Software ✓

**Data is Everything: SAS Viya is More Productive AI and...**

SAS Software ✓

**Distributed Open Source Code Node, Autotuning | SA...**

SAS Users

**SAS + Snowflake, JSON Job Definitions | SAS Viya June...**

SAS Users

# Hotfix-info

<https://communities.sas.com/t5/SAS-Hot-Fix-Announcements/bg-p/hf>

## SAS Hot Fix Announcements

Hot fix and maintenance news from SAS Technical Support

 Blog

[Home](#) > [Administration](#) > [Hot Fixes](#)

Options ▾ Bookmark Subscribe RSS Feed



### How to stay current about SAS hot fixes

Use this space on the community to stay informed about the latest hot fixes to SAS software. You can subscribe to e-mail notifications, RSS feed, or take advantage of simple search tricks to find just the updates you need for your SAS products. [Read more to learn how to use this space!](#) Also read: [How to schedule and manage your SAS hot fixes](#)

< Previous **1** 2 3 ... 331 Next >

**Updates available for SAS Visual Analytics 7.52 : Hot fix M4N002**

A new update is available for SAS Visual Analytics , version 7.52 :Hot Fix: M4N002 - Published 06OCT2023 , Download link for...

0 0

**Updates available for SAS Studio 3.8 : Hot fix D8F012**

A new update is available for SAS Studio , version 3.8 :Hot Fix: D8F012 - Published 06OCT2023 , Download link for D8F012 Component name:...

0 0

**Update available for SAS Viya 3.5**

An update is available for SAS Viya 3.5. Published 05Oct2023 Issue(s) addressed: SAS Note 70275: The Interactive Grouping node group...

0 0

### Hot Fix Resources

- [SAS Hot Fixes Home](#)
- [How to schedule and manage your SAS hot fixes](#)
- [FAQ for SAS Hot Fixes](#)
- [Create a report of your SAS products/fixes](#)
- [How to use this hot fix board](#)

**Popular categories**  
[\[Security\]](#) [\[9.4\]](#) [\[9.3\]](#) [\[Alert updates\]](#)  
[\[Base SAS\]](#) [\[SAS/STAT\]](#)

### 4 tips for working with SAS Technical Support

Have a problem that's best for SAS Technical Support? Open a track!

# Nya produkter / funktioner

[https://documentation.sas.com/doc/en/pgmsascdc/9.4\\_3.5/whatsnew/titlepage.htm](https://documentation.sas.com/doc/en/pgmsascdc/9.4_3.5/whatsnew/titlepage.htm)

The screenshot shows the SAS documentation interface. At the top, a dark blue header contains the text 'SAS® 9.4 and SAS® Viya® 3.5 Programming Documentation | SAS 9.4 / Viya 3.5'. Below this is a navigation sidebar on the left with a list of links. The 'What's New' section is expanded, and 'What's New in SAS 9.4 and SAS Viya' is selected. The main content area on the right is titled 'What's New in SAS 9.4 and SAS Viya' and is divided into two parts. Part 1, 'SAS 9.4', lists various product categories. Part 2, 'SAS Viya 3.5', lists other product categories.

☰ SAS® 9.4 and SAS® Viya® 3.5 Programming Documentation | SAS 9.4 / Viya 3.5 ▾

- ▶ Welcome to SAS Programming Documentation for SAS® 9.4 and SAS® Viya® 3.5
- ▶ **What's New**
  - ▶ What's New in Base SAS and SAS Viya
  - ▶ **What's New in SAS 9.4 and SAS Viya**
  - ▶ SAS Guide to Software Updates and Product Changes
- ▶ Syntax Quick Links
- ▶ SAS Viya Programming
- ▶ Data Access
- ▶ SAS Analytics 15.3
- ▶ Base SAS Procedures
- ▶ DATA Step Programming
- ▶ SAS Code Debugging
- ▶ Global Statements
- ▶ System Options
- ▶ SAS Component Objects
- ▶ DS2 Programming
- ▶ FedSQL Programming
- ▶ Macro Language Reference
- ▶ Output and Graphics
- ▶ Operating Environments
- ▶ Moving and Accessing SAS Files
- ▶ In-Database Technologies
- ▶ Metadata
- ▶ SAS Interface to Application Response Measurement (ARM)

What's New in SAS 9.4 and SAS Viya

Part 1 **SAS 9.4**

- Introduction to SAS 9.4
- SAS Foundation
- Analytical Products
- In-Memory Analytics
- SAS Business Intelligence Products
- Data Management and Integration
- SAS Customer Intelligence
- SAS Financial Management
- SAS Fraud and Compliance Products
- SAS In-Database Products
- SAS Integration Technologies
- SAS Intelligence Platform
- SAS IT Resource Management
- SAS Risk Management
- SAS Visual Analytics

Part 2 **SAS Viya 3.5**

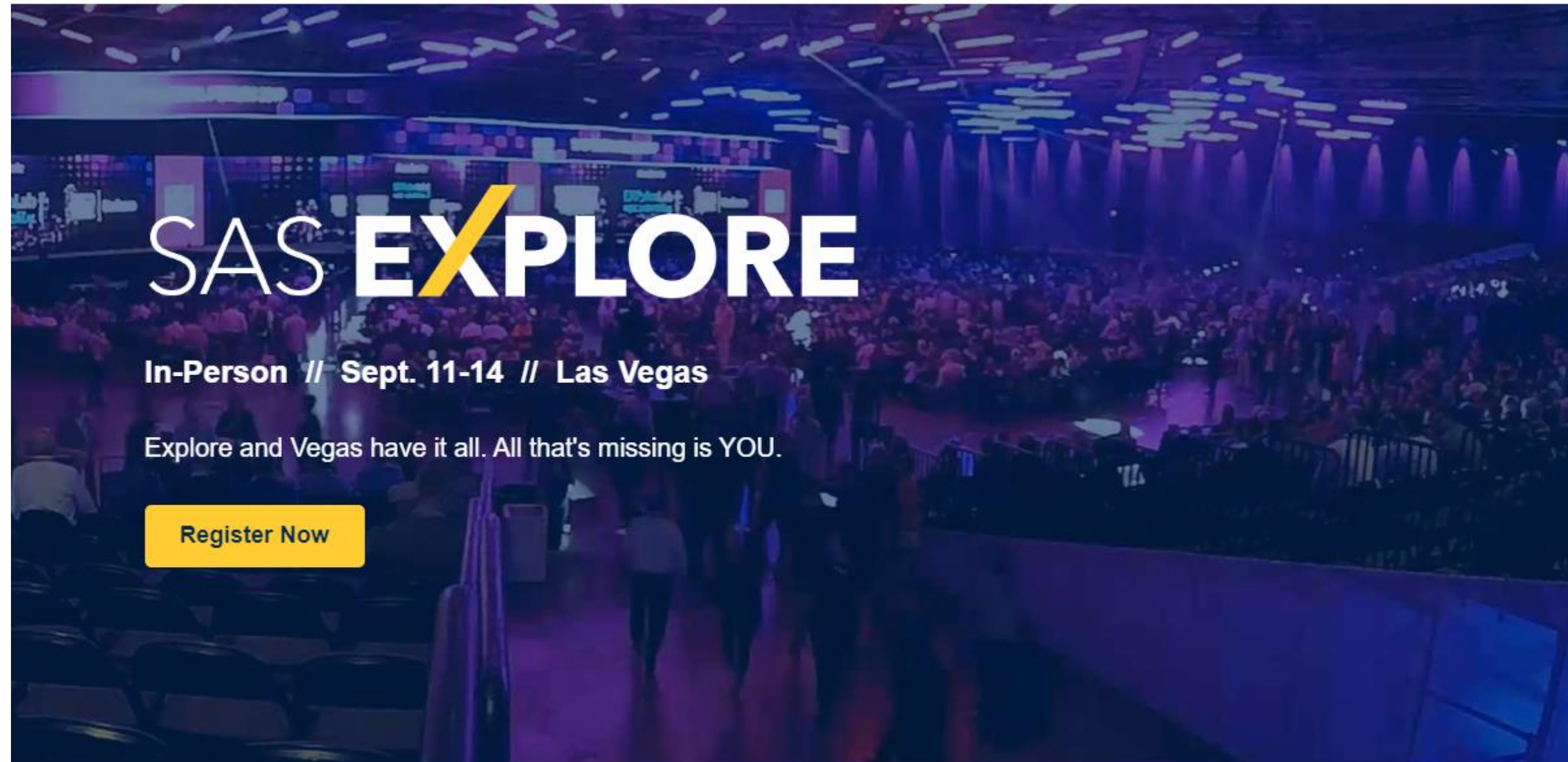
- Introduction to SAS Viya
- SAS Viya Administration
- SAS Cloud Analytic Services
- SAS Viya Products

# SAS Explore

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Sept. 11-14 // Las Vegas

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# SAS Explore On-Demand

<https://communities.sas.com>

[https://www.sas.com/en\\_us/offers/23q3/explore-ondemand.html](https://www.sas.com/en_us/offers/23q3/explore-ondemand.html)

### RECENT SOLUTIONS

- ✓ Removing the missing observations from the dataset  
*Answered in SAS Programming*
- ✓ SAS EG Crashes when I highlight a line of code.  
*Answered in SAS Enterprise Guide*
- ✓ How to avoid the WARNING: Apparent invocation of macro xx not resolv...  
*Answered in SAS Programming*
- ✓ datetime format in sas ddmmyymmss  
*Answered in SAS Programming*

[All recent solutions](#)

### FEATURED ARTICLE

ML Jokers 2.2 - I4W




2023 Hackathon Global Industry Winner (Telecom & New Media): Designing office space to optimize energy consumption and maximize employee health and comfort

[Check it out.](#)

### FEATURED WEBINAR

Geocoding and Mapping in SAS® Q&A, Slides, and On-Demand Recording



Learn about the great mapping capabilities of SAS and its recent additions, by starting with the basics and expanding from there.


[Watch on demand.](#)

## Recent Activity

 add dummy across columns (header)in proc report 👍 0 💬 8

```
data AA; infile datalines dlm=';'; input Stn $ avg1 avg2 avg3 avg4; datalines; NE,11111,11111,11110,5555  
NW,22222,11119,22223,2322 SE,33333,33333,33331,2309 SW,44444,44444,44444,1100 ; run; proc report  
data=AA; column stn avg1 avg2 avg3 avg4; define stn / order; define avg1 /analysis; define avg ... View more
```

Stn	avg1	avg2	avg3	avg4
NE	11111	11111	11110	5555
NW	22222	11119	22223	2322
SE	33333	33333	33331	2309
SW	44444	44444	44444	1100

By  snip · Obsidian | Level 7 ·  SAS Programming · yesterday · 9 unread

 Names of variables that are written with periods (.) are replaced by hyphens (-). 👍 0 💬 10

### SAS EXPLORE ON DEMAND

## SAS EXPLORE

Settle in and view some of our most popular breakout sessions on the hottest topics in analytics. Plus, watch the amazing keynotes!

[Watch SAS Explore](#)

### Upcoming Events

Ask the Expert: Trustworthy AI Using SAS®: A Technical Discussion | 05-Oct-2023

[Ask the Expert](#) [Webinar](#)

# SAS Innovate 2024

[https://www.sas.com/en\\_us/events/23q3/innovate-save-the-date.html](https://www.sas.com/en_us/events/23q3/innovate-save-the-date.html)



April 16-19, 2024 // The ARIA Resort & Casino, Las Vegas

# Över till dagens meny

# Agenda

13:30	Välkomna och intro	
13:45	Syntetiskt data	Mathias Lanner
14:15	Bias mitigation - Hur modellerar vi så vi undviker skevhet i resultaten (bias)	Mathias Lanner
14:30	<i>Swedish fika</i>	
14:45	Improve the understanding of people's talent and potential from cognitive data using SAS Viya  Jonas och Cici går igenom Sigmas Hackathon-bidrag.	Jonas Tillström - Affärsområdeschef, Analys och AI  Jingshi (Cici) Min Eriksson - Dataanalytiker
15:15	VS Code – din nya SAS-vän	Daniel Ringqvist
15:30	Skicka meddelande till MS Teams med SAS	Daniel Ringqvist
16:00	Avslutning	

# Paus



# Lotteri

**1:a namnet som  
deltar i mötet  
vinner.**

```
rand("Integer",1, antal);
```

Tack!

