

## SESUG 2019 Paper Reference Page

Track	sesug_paper_number	Authors	Title
Analytics Leadership	SESUG2019_Paper-215	Binoy Varghese	Self-service Analytics Platforms for Real-Time Insights into Clinical Data
Analytics Leadership	SESUG2019_Paper-223	Kelly Smith	Need to develop your employees' SAS skills? A step by step framework.
Analytics Leadership	SESUG2019_Paper-236	Alan Dunham	Lessons from the Changing Analytic Landscape over the Past 40 Years.
Analytics Leadership	SESUG2019_Paper-254	Karen Davis	An Approach to Obtaining Investment funding and managing an Artificial Intelligence-focused initiative
Analytics Leadership	SESUG2019_Paper-262	Steve Walker	Ideation and Innovation – Leveraging science and human behavior learnings to evolve your processes and teams
Analytics Leadership	SESUG2019_Paper-263	Steve Walker	Improving your organization's Digital Transformation agility
Coders Corner	SESUG2019_Paper-108	Christine Whitaker	I'm Warning You - Common SAS Programming Mistakes
Coders Corner	SESUG2019_Paper-117	Connor Cosenza	Macroception: Maximizing the Capacity of Your Macro Variables
Coders Corner	SESUG2019_Paper-119	Richard Pickett	Validating Medicare Beneficiary Identifier Submissions
Coders Corner	SESUG2019_Paper-146	Kelly Fenn	How to Write a Macro that Executes Other Macros
Coders Corner	SESUG2019_Paper-151	KANNAN DEIVASIGAMANI	How am I different?
Coders Corner	SESUG2019_Paper-178	Jennifer Lindquist	You ought to be in pictures! Dressing up output with the picture format
Coders Corner	SESUG2019_Paper-180	Imelda Go	Computing Classical Item Statistics in SAS Using the Long vs. Wide Form of the Data
Coders Corner	SESUG2019_Paper-190	Charles Coleman	Conditionally Executing Data Steps and Statements Based on the Presence of Variables in a SAS® Dataset
Coders Corner	SESUG2019_Paper-192	Charity Wilson	Three Ways to Transform Your Code into PROC SQL
Coders Corner	SESUG2019_Paper-211	Timothy Egan	When in Doubt, Shell It Out
Coders Corner	SESUG2019_Paper-217	Martha Wetzel	User-Defined Functions that Concatenate Statistics for Standard Reporting
Coders Corner	SESUG2019_Paper-265	Shane Rosanbalm	You're Doing It Wrong! Volume 002
Coders Corner	SESUG2019_Paper-268	Mindy Wang	How to Keep Multiple Formats in One Variable after Transpose
Data Management and Big Data	SESUG2019_Paper-130	Stephen Sloan	Reducing the space requirements of SAS® data sets without sacrificing any variables or observations
Data Management and Big Data	SESUG2019_Paper-131	Stephen Sloan	Twenty ways to run your SAS program faster and use less space
Data Management and Big Data	SESUG2019_Paper-230	Jonathan Duggins and Jim Blum	Exploring Efficiency in Data Manipulation with SAS: How to Get the Most Out of My Software and Hardware
Data Management and Big Data	SESUG2019_Paper-245	Troy Hughes and Louise Hadden	Should I Wear Pants? And Where Should I Travel in the Portuguese Expanse? Automating Business Rules and Decision Rules Through Reusable Decision Table Data Structures that Leverage SAS Arrays
Data Management and Big Data	SESUG2019_Paper-246	Troy Hughes	Better To Be Mocked Than Half-Cocked: Data Mocking Methods To Support Functional and Performance Testing of SAS Software

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Track	sesug_paper_number	Authors	Title
E-Posters	SESUG2019_Paper-105	Abbas Tavakoli, Laura Hein and Mary Cox	Examining Imputation effect by Using FACTOR and MI Procedures in SAS ® for a Bullying Scale for LGBTQ Youth in SC
E-Posters	SESUG2019_Paper-112	Abbas Tavakoli, Courtney Prince and Stephanie Burgess	Using SAS® to examine peripheral intravenous access using ultrasound guided
E-Posters	SESUG2019_Paper-181	Imelda Go	Using SAS Hash and Hiter Objects to Compute the Ability Levels that Correspond to the Rasch Model's Response Probabilities
E-Posters	SESUG2019_Paper-182	Imelda Go and Wendi Wright	SAS PROC IMPORT Troubleshooting Guide
E-Posters	SESUG2019_Paper-196	Nancy McGarry and Louise Hadden	Ms. Independence (from the SAS® Format Library)
E-Posters	SESUG2019_Paper-202	Nancy Han and Rong Wei	Smoothing 3D drug overdose death data and displaying patterns with SAS/JMP
E-Posters	SESUG2019_Paper-228	Lishu Zhang, Jiu Zhao and Wenjun He	Utilizing SAS Functions to Generate Accurate Adherence Notifications for Clinical Trials
E-Posters	SESUG2019_Paper-232	Raghav Adimulam	A SAS Journey From Tables in the Database to Graphics in your Inbox
E-Posters	SESUG2019_Paper-266	Matheos Yosef, Shokoufeh Khalatbari and Scott Hummel	Sample size calculation using the win ratio approach for hierarchical composite of three outcomes
E-Posters	SESUG2019_Paper-281	Amber Frazier	Cutting Out the Middle Man – Bypassing ADaM to Calculate Tumor Response Inputs using RECIST 1.1 Guidelines and Collected Data in SDTM Format
Hands on Workshop	SESUG2019_Paper-127	david horvath	Leveraging “UNIX Tools” (GNU) for Data Analysis
Hands on Workshop	SESUG2019_Paper-148	Richann Watson and Kriss Harris	Interactive Graphs
Hands on Workshop	SESUG2019_Paper-199	Wendi Wright	Using PROC TABULATE and ODS Style Options to Make Really Great Tables
Hands on Workshop	SESUG2019_Paper-208	Josh Horstman	Doing More with the SGPLOT Procedure
Hands on Workshop	SESUG2019_Paper-213	Jason Brinkley	Introduction to Propensity Score Modeling and Treatment Effect Estimation
Hands on Workshop	SESUG2019_Paper-231	Jim Blum and Jonathan Duggins	Getting Started with PROC DS2
Hands on Workshop	SESUG2019_Paper-255	Laura Oliver	Easier and Better with Enterprise Guide
Hands on Workshop	SESUG2019_Paper-256	Laura Oliver	Dashboards in Visual Analytics
IS-Industry Specific Topics	SESUG2019_Paper-101	Ross Bettinger	Macros for Neural Network Modeling
IS-Industry Specific Topics	SESUG2019_Paper-120	David Hartman and Pranjali Dafe	Pooled Database Loading (PDL) – From Documentation to Code to Deliverable
IS-Industry Specific Topics	SESUG2019_Paper-134	Majed Al-Ghandour, Burcu Adivar, Rajeshwar Dutt, Puneet Kumar and Matthew Rogers	Identify physical and mobile DMV Site Locations in North Carolina
IS-Industry Specific Topics	SESUG2019_Paper-159	Yolanda Ingram	Complete your IPEDS Completions in 60 minutes or less (using SAS and Colleague)
IS-Industry Specific Topics	SESUG2019_Paper-163	Carlos Piemonti	UCF's SDES Dashboard A Collection of Maintenance-Free SAS® Web Report Studio Reports

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Track	sesug_paper_number	Authors	Title
IS-Industry Specific Topics	SESUG2019_Paper-179	YASH PRAKASH and Miriam McGaugh	Prediction of College Admission Trend Using Predictive Analytics
IS-Industry Specific Topics	SESUG2019_Paper-185	Katie Mercaldi	Data-driven Programming Techniques using SAS® Macros to Semi-automate Generation of Descriptive Tables in Healthcare Research
IS-Industry Specific Topics	SESUG2019_Paper-197	Keli Sorrentino and Julie Plano	Making Life Easier on the SAS End: Best Practices for Collecting Survey Data
IS-Industry Specific Topics	SESUG2019_Paper-234	Alan Mann	Scoring Classification and Recidivism in Corrections Through Outcome Analytics
IS-Industry Specific Topics	SESUG2019_Paper-239	Kimberly Andrews	Analyzing Hospital Medicare Cost Report Data Using SAS® - Updated with Output
IS-Industry Specific Topics	SESUG2019_Paper-258	Lauren Schoenheit and Alexander Fantroy	Improving Student Application Reporting Using a Slowly Changing Dimension and SAS Data Integration Studio
IS-Industry Specific Topics	SESUG2019_Paper-260	Venita DePuy	Who, When, and Where – A Step-by-Step Approach to Creating a Color-Coded Tracker for Clinical Trial Subjects
IS-Industry Specific Topics	SESUG2019_Paper-261	Jerry Landry and Kelly Smith	Clarifying the Assessment Picture: Defined Metrics and Programming Choices in SAS Coding
IS-Industry Specific Topics	SESUG2019_Paper-294	Charlotte Baker	Don't Let Complex Survey Data Get the Best of You! SAS® Survey PROCs for Categorical Data Analysis
IS-Industry Specific Topics	SESUG2019_Paper-297	Barbara Okerson	Introduction to Proc Report
Know your SAS Advanced Techniques	SESUG2019_Paper-110	John R Gerlach and Scott M Gerlach	The Knight's Tour in 3-Dimensional Chess
Know your SAS Advanced Techniques	SESUG2019_Paper-111	Bruce Gilson	Tales from the Help Desk: Solutions to Common Macro and Macro Variable Issues
Know your SAS Advanced Techniques	SESUG2019_Paper-122	david horvath	UNIX X Command Tips and Tricks
Know your SAS Advanced Techniques	SESUG2019_Paper-149	Richann Watson and Louise Hadden	Quick, Call the "FUZZ": Using Fuzzy Logic
Know your SAS Advanced Techniques	SESUG2019_Paper-156	Thomas Billings	Hexadecimal Encoding Can Mitigate Some SAS® Macro Quoting Issues
Know your SAS Advanced Techniques	SESUG2019_Paper-168	Michael Raithe	Vetting Differences Between Relational Database Definitions and Actual Data with SAS®
Know your SAS Advanced Techniques	SESUG2019_Paper-177	HoaiNam Tran and Mai Anh Ngo	The Power of PROC SQL's SELECT DISTINCT INTO
Know your SAS Advanced Techniques	SESUG2019_Paper-198	Uday Nair, Wen Jiang and Carlos Martinez	Integrating SAS IntrNet, SAS Macro facility, JavaScript, HTML, and .NET to build a dynamic web application to present NSSE data

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Track	sesug_paper_number	Authors	Title
Know your SAS Advanced Techniques	SESUG2019_Paper-210	Josh Horstman	Dating for SAS® Programmers
Know your SAS Advanced Techniques	SESUG2019_Paper-214	Arthur Laciak	When fuzzy matching doesn't work: using the CONTAINS and JOIN functions through SAS EG to find foreign words in text strings
Know your SAS Advanced Techniques	SESUG2019_Paper-218	Tsung-hsun Tsai and Yung-chen Hsu	Using PROC FCMP to Implement Anomaly Detection Method
Know your SAS Advanced Techniques	SESUG2019_Paper-222	Kelly Smith	Which report is appropriate? Let SAS figure it out!
Know your SAS Advanced Techniques	SESUG2019_Paper-241	Pratap Kunwar	RegExing in SAS for Pattern Matching and Replacement
Know your SAS Advanced Techniques	SESUG2019_Paper-248	Troy Hughes	User-Defined Multithreading with the SAS® DS2 Procedure: Performance Testing DS2 Against Functionally Equivalent DATA Steps
Know your SAS Advanced Techniques	SESUG2019_Paper-279	Frank Dilorio	Discovering the Power of SAS Metadata: An Introduction to Dictionary Tables and Views
Know your SAS Advanced Techniques	SESUG2019_Paper-283	William Benjamin	Use Callable VBS and VBA Code Files to Extend the Power of SAS® to Format Microsoft Excel Worksheets
Know your SAS Foundations	SESUG2019_Paper-116	Marje Fecht	Getting the Right DATE (With SAS)
Know your SAS Foundations	SESUG2019_Paper-124	david horvath	PROC IMPORT and more. Or: when PROC IMPORT just doesn't do the job.
Know your SAS Foundations	SESUG2019_Paper-128	david horvath	NOBS for Noobs
Know your SAS Foundations	SESUG2019_Paper-133	Stephen Sloan	Running Parts of a SAS Program while Preserving the Entire Program
Know your SAS Foundations	SESUG2019_Paper-143	Kirk Paul Lafler, Ben Cochran and Josh Horstman	The Battle of the Titans (Part II): PROC TABULATE versus PROC REPORT
Know your SAS Foundations	SESUG2019_Paper-145	Barbara Okerson	Old But Not Obsolete: Undocumented Procedures for SAS® University Edition
Know your SAS Foundations	SESUG2019_Paper-167	Louise Hadden	Like, Learn to Love SAS® Like
Know your SAS Foundations	SESUG2019_Paper-204	Josh Horstman	Fifteen Functions to Supercharge Your SAS® Code

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Know your SAS Foundations	SESUG2019_Paper-219	Christianna Williams	PROC SQL for PROC SUMMARY Stalwarts
Know your SAS Foundations	SESUG2019_Paper-220	Christianna Williams	SAS Formats Top 10
Know your SAS Foundations	SESUG2019_Paper-253	Christopher Hargett	DO loops :INTO efficient programming: DATA STEP do loop + PROC SQL in boilerplate programming
Know your SAS Foundations	SESUG2019_Paper-293	Brian Varney	Data Step versus Everybody: Approaching Problems as a Beginning Coder
Open Analytics	SESUG2019_Paper-104	Ross Bettinger	%SUBMIT R: A SAS(R) Macro to Interface SAS and R
Open Analytics	SESUG2019_Paper-113	Melvin Alexander	Comparison Word Clouds Using the %PROC_R macro and Base SAS® Interface
Open Analytics	SESUG2019_Paper-121	Bruce Gilson	Using the R interface in SAS ® to Call R Functions and Transfer Data
Open Analytics	SESUG2019_Paper-152	John Vickery	Integrate Python with SAS using SASPy for a simpler, more effective script
Open Analytics	SESUG2019_Paper-158	Melvin Alexander	A Random Forest Example of the Boston Housing Data using the Base SAS® and the PROC_R macro in SAS® Enterprise Guide
Open Analytics	SESUG2019_Paper-237	Pratyush Dash and Anvesh Reddy Minukuri	Face Recognition using SAS Viya: Guess who the person is!
Open Analytics	SESUG2019_Paper-244	Troy Hughes	Chasing Master Data Interoperability: Facilitating Master Data Management (MDM) Objectives Through CSV Control Tables that Contain Data Rules that Support SAS® and Python Data-Driven Software Design
Open Analytics	SESUG2019_Paper-270	Pavan Vemuri	Make your data shine with R Shiny
Planning and Administration	SESUG2019_Paper-154	Stephen Sloan	Developing and running an in-house SAS Users Group
Planning and Administration	SESUG2019_Paper-157	Thomas Billings	CONNECT TO vs. CONNECT USING for Security in SAS® PROC SQL
Planning and Administration	SESUG2019_Paper-227	Murali Sastry	Aligning Analytics Strategy with Business Strategy
Planning and Administration	SESUG2019_Paper-257	Sandeep Grande	Automating SAS® Viya® Admin tasks using CLI and Chatbot
Reporting and Visualization	SESUG2019_Paper-109	Melvin Alexander	JMP®'s Visualization Analysis of SESUG Conference Attendance from 2008-2018
Reporting and Visualization	SESUG2019_Paper-115	Peter Flom	Pie is delicious but not nutritious: Graphics for univariate data.
Reporting and Visualization	SESUG2019_Paper-137	Kirk Paul Lafler	Making Your SAS® Results More Meaningful with Color
Reporting and Visualization	SESUG2019_Paper-141	Kirk Paul Lafler and Joshua M. Horstman	Building a Better Dashboard Using Base-SAS® Software

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Track	sesug_paper_number	Authors	Title
Reporting and Visualization	SESUG2019_Paper-147	Richann Watson	Great Time to Learn GTL: A Step-by-Step Approach to Creating the Impossible
Reporting and Visualization	SESUG2019_Paper-172	Dennis Beal	Probability Plots for Exploratory Data Analysis
Reporting and Visualization	SESUG2019_Paper-176	Keith Brown and Devi Sekar	USING HEAT MAP OR GTILE: DOES SIZE MATTER IN YOUR GRAPHICS?
Reporting and Visualization	SESUG2019_Paper-216	Martha Wetzel	A Table 1 Macro that Produces Publication-Ready Results: %Table1nDone
Reporting and Visualization	SESUG2019_Paper-238	Geoffrey Dean and Jared Dean	The Gender Gap in the Education System
Reporting and Visualization	SESUG2019_Paper-240	Mira Shapiro	Data Management Challenge: Select All That Apply: JMP® to the Rescue
Reporting and Visualization	SESUG2019_Paper-259	Srivathsa Ravikiran and Priscilla Gathoni	One Click to Analysis Results Metadata
Reporting and Visualization	SESUG2019_Paper-292	Robert Allison	What's in the pipeline for the SGMAP Procedure?!?
Statistics and Data Analysis	SESUG2019_Paper-102	Ross Bettinger	Glass Box Neural Networks
Statistics and Data Analysis	SESUG2019_Paper-103	Ross Bettinger	Hybrid Rare Event Sampling Technique
Statistics and Data Analysis	SESUG2019_Paper-114	Peter Flom	Scatterplots: Basics, enhancements, problems and solutions.
Statistics and Data Analysis	SESUG2019_Paper-118	Dave Dickey	The Best of Both Worlds: Forecasting Using Time Series with Inputs
Statistics and Data Analysis	SESUG2019_Paper-155	Dave Dickey and John Vickery	Intervention at the Library: Assessing the Effect of an Event
Statistics and Data Analysis	SESUG2019_Paper-160	Kathleen Yeater, George Yocum, Kendra Greenlee, Julia Bowsher, Arun Rajamohan and Joseph Rinehart	Generalized Linear Mixed Model Approach to Time-to-Event Data with Censored Observations
Statistics and Data Analysis	SESUG2019_Paper-161	Murali Sastry and Tyler Hicks	PROC MCMC Application-Time Series Forecasting
Statistics and Data Analysis	SESUG2019_Paper-169	Jon Swanson	Effect of Manpower Policy Changes on Retention and Promotions in the U.S. Marine Corps
Statistics and Data Analysis	SESUG2019_Paper-174	Vijetha Kode	ePRO: A View from a Statistical Programmer
Statistics and Data Analysis	SESUG2019_Paper-191	Bryce Whitehead and Austin Brown	Bootstrapping Regression Models using PROC SURVEYSELECT

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Statistics and Data Analysis	SESUG2019_Paper-200	Yida Bao and Philippe Gaillard	Summarizing some conventional methods to classify a binary target
Statistics and Data Analysis	SESUG2019_Paper-203	Martha Pohl	Data Visualizations using Census Shapefiles, PROC GMAP, SAS/GRAPH Animation, and BISG
Statistics and Data Analysis	SESUG2019_Paper-226	Daniel Brinton and Marshall Chew	A user-friendly and robust macro that produces a publication-ready Table 1
Statistics and Data Analysis	SESUG2019_Paper-229	Ashlesha Sampathi	Analyzing Airbnb reviews using SAS® Text Miner and Predicting the factors contributing for higher ratings
Statistics and Data Analysis	SESUG2019_Paper-233	Janet Grubber and Cynthia Coffman	The Thorn in My Side!! Logistic Regression Continuous Variables that Violate the Assumption of Linearity on the Log-odds (Logit) scale: How to Identify and What to Do?
Statistics and Data Analysis	SESUG2019_Paper-242	Niloofer Ramezani	Advanced statistical modeling within machine learning and big data analytics
Statistics and Data Analysis	SESUG2019_Paper-243	Luis Martinez and Miriam McGaugh	Improving Employee Satisfaction Through Text Analytics
Statistics and Data Analysis	SESUG2019_Paper-251	George Rezek	Validating a Probability of Default model using Enterprise Miner Scorecard
Statistics and Data Analysis	SESUG2019_Paper-252	Aravind Dhanabal and Balamurugan Mohan	Market Basket Analysis on Instacart
Statistics and Data Analysis	SESUG2019_Paper-296	Jason Brinkley	Regression Models for Count Data