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Track	SESUG_paper_number	Authors	Title
Application/Macro Development	AD-116	Kirk Paul Lafler	Saving and Restoring Startup (Initialized) SAS® System Options
Application/Macro Development	AD-144	Stephen Sloan and Kevin Gillette	Assigning agents to districts under multiple constraints using PROC CLP
Application/Macro Development	AD-158	Ben Cochran	Using SAS Macro Functions to Manipulate Data
Application/Macro Development	AD-159	Ben Cochran	Create a SAS Program that Can Read the Contents of a Directory
Application/Macro Development	AD-175	Shreyas Dalvi	Using PROC FORMAT to Automate Data correction process.
Application/Macro Development	AD-177	Zemin Zeng and Yunzhi Ling	A User Defined SDTM Data Quality Checking and Tracking System
Application/Macro Development	AD-184	Stephanie Thompson	Knowing What You've Got
Application/Macro Development	AD-197	Ronald Fehd	A Sysparm Companion, Passing Values to a Program from the Command Line
Application/Macro Development	AD-236	Jonathan Duggins and Jim Blum	Web Scraping in SAS: A Macro-Based Approach
Application/Macro Development	AD-240	Thomas Billings	Efficient Use of Disk Space in SAS® Application Programs
Application/Macro Development	AD-251	Merry Rabb	Life in the Fast Lane: SAS Macro Language with Parallel Processing
Application/Macro Development	AD-253	Lisa Mendez and Andrew Kuligowski	Case Study: Using Base SAS to Automate Quality Checks of Excel Workbooks that have Multiple Worksheets
Application/Macro Development	AD-270	Laxminarayana Ganapathi	Synchronized tracking of dataset versions with programs and logs using Proc PRINTTO and other SAS tricks.
Application/Macro Development	AD-282	Harry Droogendyk	Quick 'n Dirty - Small, Useful Utility Macros
Application/Macro Development	AD-283	Soujanya Mandalapu, Yan Wang and Xuelei Ni	Building Neural Network model in BASE SAS ® (From Scratch)
Application/Macro Development	AD-288	Paul Dorfman	Sorting Arrays Using the Hash Object
Building Blocks	BB-107	Seth Hoffman	Mining Bitcoins: A Step-by-Data Step Simulation
Building Blocks	BB-110	Kirk Paul Lafler	Introduction to Data-driven Programming Techniques Using SAS®
Building Blocks	BB-117	Sarah Woodruff	A Beginner's Babbelfish: Basic Skills for Translation Between R and SAS®
Building Blocks	BB-131	Michael Kola and Girish Patel	A Quick Bite on SAS(r) Studio Custom Tasks

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Building Blocks	BB-178	Stephen Sloan	Twenty ways to run your SAS program faster and use less space
Building Blocks	BB-179	Emily Perry	Table Taming – Using ODS to Simplify Data Presentation
Building Blocks	BB-192	Thomas Billings	Emulating FIRST. and LAST. SAS® DATA Step Processing in SQL? Concepts and Review
Building Blocks	BB-196	Ronald Fehd	An Autoexec Companion, Allocating Location Names during Startup
Building Blocks	BB-202	Josh Horstman	Dating for SAS Programmers
Building Blocks	BB-221	Troy Hughes	When Reliable Programs Fail: Designing for Timely, Efficient, Push-Button Recovery
Building Blocks	BB-255	Davia Moyse	Tips and Tricks for Ensuring Accurate Routine Data Processing when Logs are Redirected to Text Files
Building Blocks	BB-266	John Cohen	Proc SQL in Twenty Minutes
Building Blocks	BB-284	Elizabeth Axelrod	Hash Beyond Lookups - Take Another Look
Building Blocks	BB-285	jinson erinjeri and Saritha Bathi	The Categorical Might of PROC FREQ
Coder's Corner	CC-114	Kirk Paul Lafler	A Visual Step-by-step Approach to Converting an RTF File to an Excel File
Coder's Corner	CC-122	Megan McNeill and Gregory Weller	When SAS Doesn't Behave As Expected
Coder's Corner	CC-138	Aaron Brown	Easily Updating Programs with the SAS® Macro Language: an EDFacts Example
Coder's Corner	CC-140	Imelda Go	Matching SAS Data Sets with Hash Objects: If at First You Don't Succeed, Match, Match Again
Coder's Corner	CC-148	Richann Watson	Using a Picture Format to Create Visit Windows
Coder's Corner	CC-154	Suryakiran Pothuraju and Kiran venna	Improving Query performance by saying "NO" to Heterogeneous Joins
Coder's Corner	CC-155	Shane Rosanbalm	You're Doing It Wrong! Volume 001
Coder's Corner	CC-168	Chuchun Chien, barbara Felts and Susan Myers	“Use SAS® PROC Tabulate to create a PDF with Bookmarks”
Coder's Corner	CC-189	Evan Kwiatkowski	Automated Comparison Tables using PROC REPORT
Coder's Corner	CC-193	Thomas Billings	Password Protection of SAS® Enterprise Guide® Projects
Coder's Corner	CC-194	Jennifer Lindquist	Do the Loop De Loop !
Coder's Corner	CC-213	Brandon Welch and Travis Mason	Accessing Password Protected Microsoft® Excel Files in A SAS® Grid Environment
Coder's Corner	CC-218	Jenna Cody	Using PROC SQL to Generate Shift Tables More Efficiently
Coder's Corner	CC-224	Troy Hughes	Abstracting and Automating Hierarchical Data Models: Leveraging the SAS® FORMAT Procedure CNTLIN Option To Build Dynamic Formats That Clean, Convert, and Categorize Data
Coder's Corner	CC-233	jinson erinjeri and Pratap Kunwar	Recursive Programming Applications in Base SAS®

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Coder's Corner	CC-235	Justin Williams	Investigation of Impact on Tobacco Use due to Vaporizing Nicotine in High Schools
Coder's Corner	CC-238	Pratap Kunwar	A Macro to Add SDTM Supplemental Domain to Standard Domain
Coder's Corner	CC-239	Pratap Kunwar	SAS Generated Dashboard - Useful Tool for A SAS Programmer
Coder's Corner	CC-242	Louise Hadden	Order, Order! Four Ways to Reorder Your Variables, Ranked by Elegance and Efficiency
Coder's Corner	CC-244	Meredith Tayshetye and David Eppler	Divide and Conquer: A Macro to Split Data Based on Duplicate Values
Coder's Corner	CC-256	Andrew Kuligowski	Quote the SASLOG
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Coder's Corner	CC-267	Kelly Schlessman	PROC SQL - GET "INTO:" IT!
Coder's Corner	CC-268	Mykhael Walker	A beginner's take on conditional logic using SAS Enterprise Guide 7.15 and SAS Macros.
Coder's Corner	CC-273	Imelda Go	Automation Methods: Using SAS to Write the Code for Repetitive Quality Control Checks
Coder's Corner	CC-274	Imelda Go	Automation Methods: Using SAS to Write PROC SQL Joins for You
Data Management/Big Data	DM-118	Bruce Gilsen	Reducing the Length of Character Variables in a SAS ® Data Set
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Data Management/Big Data	DM-142	Stephen Sloan	Reducing the space requirements of SAS data sets without sacrificing any variables or observations
Data Management/Big Data	DM-143	Stephen Sloan and Kirk Paul Lafler	Fuzzy Matching Programming Techniques Using SAS Software
Data Management/Big Data	DM-152	wayne hileman	A Shorter Path to Moving Data Profiles from SAS® Data Management Studio to SAS® Data Management Server
Data Management/Big Data	DM-153	Kiran venna and Suryakiran Pothuraju	Obtain better data accuracy using reference tables
Data Management/Big Data	DM-171	Louise Hadden	Taking XML's Measure: Using SAS® to Read In and Create XML for Analytic Use and Websites
Data Management/Big Data	DM-222	Troy Hughes	Parallel Processing Your Way to Faster Software and a Big Fat Bonus: Demonstrations in Base SAS®
Data Management/Big Data	DM-281	Paul Dorfman	How To Dupe a Dedup
Education/Institutional Research	EDUC-106	Marla Mamrick and Philip Moore	Enrollment Management Utilities
Education/Institutional Research	EDUC-167	Anil Aggarwal	Opportunities and Challenges of Visual Business Intelligence Course for MBA Students
Education/Institutional Research	EDUC-185	Stephanie Thompson	Developing In-House Student Success Models
Education/Institutional Research	EDUC-201	Jennifer Richards	The “Why” and “How” of Teaching SAS to High School Students
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Education/Institutional Research	EDUC-230	Kelly Smith, Paul Earls and Bobbie Frye	Student Placement: Using SAS® to Combine and Prioritize Information
Education/Institutional Research	EDUC-241	Lohit Bhandari	Undergraduate Student Retention, Can we catch them before they fall?
Education/Institutional Research	EDUC-243	Sivateja Reddy Kandula	Predicting the Risk of Attrition for Undergraduate Students using SAS® Enterprise Miner
Education/Institutional Research	EDUC-246	Shashikant Chebrolu	Text Mining to Predict College Admission Trends
Education/Institutional Research	EDUC-252	Apoorva Chandrasekaran	ANALYSIS OF FACTORS INFLUENCING DROPOUTS IN SOPHOMORE ENROLLMENT
Education/Institutional Research	EDUC-260	Ethan Ritchie	Using SAS® to create HTML codebooks and more!
Hands on Workshops	HOW-113	Kirk Paul Lafler	Hands-on SAS® Macro Programming Essentials for New Users
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Hands on Workshops	HOW-147	Richann Watson and Kriss Harris	Animate Your Data!
Hands on Workshops	HOW-157	Ben Cochran	Using a Handful of SAS Functions to Clean Dirty Data
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Hands on Workshops	HOW-165	William E Benjamin Jr	The ODS Excel Destination: Assorted Tips and Techniques to Simplify Writing SAS(R) Data to Excel Workbooks.
Hands on Workshops	HOW-204	Josh Horstman	Getting Started with the SGPLOT Procedure
Hands on Workshops	HOW-205	Josh Horstman	Doing More with the SGPLOT Procedure
Hands on Workshops	HOW-262	Jim Blum and Jonathan Duggins	Working in SGPLOT: Understanding the General Logic of Attributes
Life Sciences/Healthcare/Insurance	LS-102	John R Gerlach and Keith Brown	Patient-Level Longitudinal Analysis Plots Showing Adverse Event Timelines and Dose Titration Levels
Life Sciences/Healthcare/Insurance	LS-123	Gregory Weller	Hardcoding In Clinical Trials: A (Sometimes) Necessary Evil
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Life Sciences/Healthcare/Insurance	LS-220	Tanmay Khole and Saigovind Chenna	Dynamic Program Tracker
Life Sciences/Healthcare/Insurance	LS-245	Camillia Comeaux	Predictive Modeling for Healthcare Professionals: The use of time-series analysis for health-related data and the application of ARIMA modeling techniques in SAS for Public Health Practice
Life Sciences/Healthcare/Insurance	LS-269	Kassandra McGlonn	Utilization of SAS® Input Statements for the Barell Injury Diagnosis Matrix to Categorize Senior Sports Injury by Body Region and Nature of Injury
Life Sciences/Healthcare/Insurance	LS-287	Kimberly Andrews	Analyzing Hospital Medicare Cost Report Data Using SAS

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Planning/Administration	PA-162	Victoria Garcia	Learnin' about Churnin'
Planning/Administration	PA-169	Louise Hadden	Get Smart! Eliminate Kaos and Stay in Control – Creating a Complex Directory Structure with the DLCREATEDIR Statement, SAS® Macro Language, and Control Tables
Planning/Administration	PA-200	Christine McNichol	Are You Ready for It? Preparing for Your Next Technical Interview
Planning/Administration	PA-203	Josh Horstman	So You Want To Be An Independent Consultant
Planning/Administration	PA-207	Spencer Hayes, Michael Shealy, Rebecca Hayes and Don B. Hayes	Planning for Migration from SAS® 9.4 to SAS® Viya®
Planning/Administration	PA-226	Troy Hughes	Accredited, Bona Fide, Certified, Diploma'ed, and Edumacated: The ABCDEs of Automating the Validation and Monitoring of Professional Requirements for Employees and Job Candidates Through Dynamic, Data
Planning/Administration	PA-277	Chuck Kincaid	How to HOW: Hands-on-Workshops Made Easy
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E-Posters	PO-145	Richann Watson and Lynn Mullins	Let's Get FREQy with our Statistics: Data-Driven Approach to Determining Appropriate Test Statistic
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Reporting/Visualization/JMP	RV-214	David Mintz	Five Crazy Good Visualizations and How to Plot Them
Reporting/Visualization/JMP	RV-225	Troy Hughes	The Doctor Ordered a Prescription...Not a Description: Driving Dynamic Data Governance Through Prescriptive Data Dictionaries That Automate Quality Control and Exception Reporting
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Reporting/Visualization/JMP	RV-294	Ryan Norris	Tips and Techniques for Designing the Perfect Layout with SAS® Visual Analytics
Reporting/Visualization/JMP	RV-295	Chevell Parker	Insights from a SAS Technical Support Guy: A Deep Dive into the SAS® ODS Excel Destination
Reporting/Visualization/JMP	RV-296	Mira Shapiro and Lorraine Johnson	Transformation of Patient Reported Outcome Survey Responses Made Simple with JMP
Reporting/Visualization/JMP	RV-304	Nat Wooding	A Map is Just a Graph Without Axes
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Statistics/Data Analysis	SD-133	Dave Dickey	Forecasting: Something Old, Something New
Statistics/Data Analysis	SD-134	Bogdan Gadidov and Linh Le	A Case Study of Mining Social Media Data for Disaster Relief: Hurricane Irma
Statistics/Data Analysis	SD-136	Jason Brinkley	Regression Models for Count Data
Statistics/Data Analysis	SD-149	Stephen Sloan and Lindsey Puryear	Advanced Project Management beyond Microsoft Project, Using PROC CPM, PROC GANTT, and Advanced Graphics
Statistics/Data Analysis	SD-228	Stuti Mehrotra and Miriam McGaugh	Fight Human Trafficking with Text Analytics
Statistics/Data Analysis	SD-234	Tom Ferrara	Data Driven Approach in the NBA Pace and Space Era
Statistics/Data Analysis	SD-247	Deanna Schreiber-Gregory and Karlen Bader	Logistic and Linear Regression Assumptions: Violation Recognition and Control
Statistics/Data Analysis	SD-248	Deanna Schreiber-Gregory and Karlen Bader	Regularization Techniques for Multicollinearity: Lasso, Ridge, and Elastic Nets
Statistics/Data Analysis	SD-249	Alyssa Venn and Joe DeMaio	Worker safety in energy production in America: A comparative analysis of fuel sources and accompanying occupational risk
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Statistics/Data Analysis	SD-276	Paul Dorfman and Lessia Shajenko	Efficient DATA Step Random Sampling Out Of Thin Air
Statistics/Data Analysis	SD-289	Tyler Hicks	A Flexible Approach to Computing Bayes Factors with PROC MCMC
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