

Subject **SAS Savvy September Newsletter**
From SAS Savvy <admin@sassavvy.com>
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GREETINGS!

SAS Savvy September Newsletter

SAS Savvy focuses on CDM's Data Quality Checks with new SAS Programming Techniques

New Member Quote -

"Hi sir how are you? After becoming a member of SAS Savvy and its excellent resources, I gained enough confidence and good amount of knowledge I cleared my certification exam in first attempt I am thankful to you.", Thanks, Imran Mohammed Abdul

To continue to navigate SAS Savvy, you can use the standard left side menu or the new Site Mind Map which should take you to each page.

<u>SAS Job Aids</u>	<u>SAS Programming Tasks</u>	<u>Savvy Resources</u>
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These are the three levels to fit all SAS programmers. I hope these levels make it easier to find SAS papers and tips to address your questions and needs. Let me know what you think. Remember, free SAS technical support is just an e-mail away.

Beginner SAS Programmer
Advanced SAS Programmer
Macro SAS Programmer

SAS Savvy Updates

Below are updates made in September. Cannot wait till the end of the month for updates? You can subscribe to [free daily updates](#).

1. On the [SAS Functions](#) page, I added a link to the paper on 'Working with Character Data'.
2. In the [Clinical Data Management](#) section, I added a link to this paper - 'Let SAS Improve Your CDISC Data Quality'.
3. In the [Lab data](#) section, I added a link to this paper - 'That SAS@sy Lab Data'.
4. CDM: Edit Checks, Old Dogs, New Tricks - In the [Clinical Data Management](#) section, I added at least 20 SAS programming techniques and functions to check quality of data. Below is just a sample of these best practices.
 - a. General Tips - Apply inverse of good data condition - IF ^(GOOD DATA CONDITION)
 - b. Character General Tips Compare as UPCASE(<CHAR_VAR>) = 'UPPER CHARACTERS'
 - c. Confirm issues found and no false positives - TITLE "<WHERE CONDITION>"; PROC FREQ; TABLES VAR1*VAR2/LIST MISSING;
 - d. Missing required single variable - IF MISSING(<NUMERIC OR CHARACTER VAR>)
 - e. Missing required two or more variables - IF CMISS(<NUMERIC OR CHARACTER VARS>) NE 0
5. In the [Clinical Data Management](#) section, I added several new papers to check data - Data Edit-checks Integration using ODS Tagset, Data Cleaning 101 and Longitudinal Data Techniques: Looking Across Observations.
6. My [class](#) and [bio profile](#) are now available online on the UCLA Extension website. I am looking forward to teaching my SAS Base Certification exam preparation class in January 2015. Please sign up soon if you are interested or forward this link to anyone you think is interested.
7. In the [PROC TRANSPOSE](#) section, I added a new SAS paper as well as a Quick Reference for Tips.
8. In the [Statistical Analysis](#) section, I added several SAS papers on Forest Plots.

SAS Savvy Training

New SAS topics and requests. Please see the video recordings if you missed the live session. Below is the schedule for the next two training sessions. As always, please [e-mail](#) me your favorite topic.

[Best of Both Worlds - Proc SQL and Data Step Joins](#)

09 Oct 2014 11:00 AM • Webinar Training

[SAS Programming Tips I to prepare for SAS Base Certification](#)

13 Nov 2014 11:00 AM • Webinar Training

Sincerely, Sunil Gupta, SAS Savvy Mentor

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