

IN EG OR BASE SAS: IS THERE A WAY TO STOP PROCESSING WHEN AN ERROR IS ENCOUNTERED ?

When SAS encounters an error in a preprocessing step, it will either attempt to run the subsequent steps (OPTION NOSYNTAXCHECK) or continue with limited processing (OPTION SYNTAXCHECK). In order to stop processing altogether as soon as an error is encountered, several strategies can be adopted.

IN EG
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In EG, with the advent of the 7.13 release, it is quite easy to do so by using the new "action to take on errors during execution" option found in Project Properties/Code submission.

In Base SAS
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In Base SAS, you may adopt different methods whether you are running interactively (for example, with Display Manager) or in Batch. It is more complex if you are running interactively and you don't want to close your session.

ERRORABEND option: This is an option that will terminate your SAS session if an error is encountered. If you are running interactively, you will lose both your session and your interface.

ABORT statement with the cancel option: this statement will cancel the current step as well as the other submitted steps. It works very well but must be invoked explicitly in a DATA step.

STOP statement: This statement will stop the step from which it is invoked but will continue processing with subsequent steps.

RUNQUIT macro: this is a macro that can be inserted at the end of every step and will cancel all submitted statements, one by one, as soon as an error is encountered. It uses the %abort global macro statement.

REFERENCES

Paper 74-26

Taking Control and Keeping It:

Creating and Using Conditionally Executable SAS® Code

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Laboratories, San Diego, CA Arthur L. Carpenter, California Occidental Consultants, Oceanside, CA

<http://www2.sas.com/proceedings/sugi26/p074-26.pdf>

Paper CC-07

RUNQUIT: Run an error check to stop SAS® Dan Blanchette, Duke University, Durham, NC <http://analytics.ncsu.edu/sesug/2010/CC07.Blanchette.pdf>