

# How do I execute this SAS command in Stata?

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## RECOMMENDED CITATION

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The process of executing a SAS command in Stata involves first accessing the command window in Stata and then entering the desired SAS command, followed by pressing the "Enter" key. This will allow the user to run the SAS command and produce the desired output in Stata. It is important to ensure that the SAS command is compatible with Stata and that any necessary data or files are properly imported into Stata before executing the command. Additionally, it may be helpful to refer to Stata's documentation or seek assistance from experienced users to ensure proper execution of the SAS command in Stata.

## How do I do this SAS Command in Stata? | Stata FAQ

Say that you use SAS but wish to know how to do a particular command in Stata. For example, you want to make a new variable and know you can use the assignment statement (e.g. `x = 1;`) to create a new variable in SAS, but what is the equivalent (or similar) command in Stata (by the way, there are actually three similar Stata commands, `generate`, `replace`, and `egen`). The table below shows you five columns of information

This table is by no means complete, and it not intended to be a complete and exhaustive reference. Instead, it is intended to be a short,

simple, sweet and handy reference for SAS users who are making the transition to Stata. We also highly recommend **A Sample Stata Session** (via the Stata web site) which gives you a quick overview of using Stata as well as seeing the Getting Started manual that accompanied your purchase of Stata.

The first table shows SAS PROCs and the closest equivalent Stata command. The subsequent table shows statements from DATA Steps.

### SAS PROCs to Stata commands

SAS PROC	Stata Command(s)	UCLA Web Pages	Stata Manual	Books
PROC XYZ ; WHERE ___;	xyzcommand if (___)	Using "if" for subsetting with Stata Commands	11.1.3 if exp	ishr - 4.4
PROC XYZ; BY abc;	by abc: xyzcommand	.	by 11 Language syntax	ishr - 4.7
PROC XYZ ; WEIGHT wt;	xyzcommand	What types of weights do SAS, Stata and SAS support?	11.1.6 weight	ishr - 4.5
PROC APPEND;	append	Combining data	append	ishr - 9.5
PROC COMPARE;	cf	.	anova	
PROC CONTENTS;	describe	.	describe	

PROC CORR	correlate pwcorr	- Overview of statistical tests in Stata - Annotated output for the correlation command	correlate	
PROC CORR ALPHA;	alpha	.	alpha	
PROC DELETE	erase	.	erase	
PROC FACTOR	factor	Annotated output for the factor command	factor	
PROC FORMAT; FORMAT var fmt;	label define label values	Labeling data, variables and values	label	ishr - 7.1
PROC FREQ; TABLES a;	tabulate	Overview of statistical tests in Stata	tabulate oneway	ishr - 10.3
PROC FREQ; TABLES a*b;	tabulate tab2	Overview of statistical tests in Stata	tabulate twoway	ishr 10.3
PROC GLM;	anova	.	anova	
PROC LOGISTIC; (binary);	logistic	Data Analysis Example: Logistic Regression	logistic	
PROC LOGISTIC; (multinomial);	mlogit	Data Analysis Example: Multinomial Logistic Regression	mlogit	
PROC LOGISTIC; (ordinal);	ologit	Data Analysis Example: Ordinal Logistic Regression	ologit	
PROC MEANS;	summarize	- Descriptive information and statistics - Annotated output for the summarize command	summarize	ishr 10.1
PROC MEANS; CLASS a; VAR b;	tabulate a, summarize(b)	Overview of statistical tests in Stata	summarize tabulate, summarize()	ishr - 10.4
PROC MIXED;	xtmixed	.	xtmixed	
PROC MEANS; OUTPUT; PROC SUMMARY; OUTPUT	collapse	Collapsing data across observations	collapse	ishr - 9.6

PROC PRINT;	list	.	list	
PROC PRINTTO;	log	.	log	
PROC PROBIT;	probit	Data Analysis Example: Probit Regression	probit	
PROC REG;	regress	- Regression with Stata - Annotated output for the regress command	regress	
PROC REG ; OUTPUT OUT=	predict		predict	
PROC ROBUSTREG;	rreg	Chapter 4 - Beyond OLS	rreg	
PROC SORT;	sort	.	sort	ishr - 9.4
PROC STDIZE;	egen	Creating and Recoding Variables	egen	ishr 8.1
PROC TTEST	ttest	Overview of statistical tests in Stata		ishr - 10.4
PROC UNIVARIATE	summarize , detail		summarize	

## SAS DATA STEP Statements and the closest equivalent Stata command

SAS DATA STEP Statement	Stata Command(s)	UCLA Web Pages	Stata Manual	Books
* ; /* */ (comments)	* /* */ //	.	comments	ishr 4.8
x = 2; (assignment)	generate replace egen	Creating and Recoding Variables	generate replace egen	ishr 8.1
ARRAY	foreach	Working across variables using foreach	foreach	ishr - 17.4
DATA in.new;	save	Using and saving Stata data files	save	ishr - 6.1
DO i = 1 to 10;	forvalues	.	forvalues	

IF (cond) THEN x = ___;	generate x = ___ if (cond)	Using "if" for subsetting with Stata Commands	11.1.3 if exp	ishr - 8.1
INFILE INPUT	infile infix insheet	Inputting raw data files into Stata	infile (free format) insheet infix (fixed format)	ishr 6.3
IF (___) THEN OUTPUT; IF (___) THEN DELETE;	keep if ___ drop if ___	Subsetting variables and observations	drop	ishr - 9.2
%INCLUDE	do ___	.	do	
FORMAT	format	.	format	ishr - 5.2
KEEP DROP	keep drop	Subsetting variables and observations	drop	
LABEL	label variable	Labeling data, variables and values	label	ishr - 7.1
MERGE	merge	Combining Stata data files	merge	ishr - 9.5
PUT	display	.	display	
SET data1;	use	Using and saving Stata data files	use	ishr - 6.1
SET data1data2data3; concatenating data files	append	Combining data	append	ishr - 9.5
RENAME	rename	.	rename	

## Legend