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Description

frame put copies a subset of variables or observations from the current frame to the specified frame. It works much like Stata's keep command (see [D] drop), except that the data in the current frame are left unchanged, while the selected variables or observations are copied to a new frame.

Quick start

Put variables v1, v2, and v3 from the current frame into new frame fr1 frame put v1 v2 v3, into(fr1)

Put all variables whose name begins with v into new frame fr2 frame put v*, into(fr2)

Put all observations where v1 is not missing into new frame fr3
frame put if !missing(v1), into(fr3)

Put the first observation from each cluster identified by cvar into new frame fr4
 by cvar: frame put if _n==1, into(fr4)

Menu

Data > Frames Manager

Syntax

Copy selected variables from the current frame to a new frame

frame put varlist, into(newframename)

Copy observations that satisfy specified condition from the current frame to a new frame frame put [varlist] if, into(newframename)

Copy a range of observations from the current frame to a new frame

frame put [varlist] in [if], into(newframename)

by is allowed with the second syntax of frame put; see [D] by.

Remarks and examples

There are three main workflows for operating on a subset of data you already have in memory. One is to make use of Stata's if and in qualifiers with your commands to restrict the observations to be used. Another is to use preserve to make a temporary copy of the data in memory, then use keep and drop to make a subset of those data for analysis, and then to use restore to bring the original data back. Finally, you can leave the data in memory unchanged and use frame put to place a subset of the data in another frame for analysis. That frame can then be dropped, saved, or left in memory for further analysis.

frame put copies all variable and value labels, characteristics, and notes for any variables copied to the new frame.

Example 1

To demonstrate frame put, we start with data from the 1980 US Census.

```
. use https://www.stata-press.com/data/r19/census (1980 Census data by state)
```

. describe

Contains	data	from	https://www.stata-	-press.com	/data/1	r19/ce	nsus.	dta	
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Ubservations: Variables:		50 13		1980 Census data by state 6 Apr 2024 15:43		
Variable name	Storage type	Display format	Value label	Variable label		
state	str14	%-14s		State		
state2	str2	%-2s		Two-letter state abbreviation		
region	int	%-8.0g	cenreg	Census region		
pop	long	%12.0gc		Population		
poplt5	long	%12.0gc		Pop, < 5 year		
pop5_17	long	%12.0gc		Pop, 5 to 17 years		
pop18p	long	%12.0gc		Pop, 18 and older		
pop65p	long	%12.0gc		Pop, 65 and older		
popurban	long	%12.0gc		Urban population		
medage	float	%9.2f		Median age		
death	long	%12.0gc		Number of deaths		
marriage	long	%12.0gc		Number of marriages		
divorce	long	%12.0gc		Number of divorces		

Sorted by:

We put data from several variables for all states with a population greater than 5,000,000 into new frame pop5.

. frame put state region pop* medage death if pop > 5000000, into(pop5) . frame pop5: describe						
Contains data Observations		14		1980 Census data by state		
Variables:		10		1900 Census data by state		
Variable name	Storage type	Display format	Value label	Variable label		
state region pop poplt5 pop5_17 pop18p pop65p popurban medage death	str14 int long long long long long float long	%-14s %-8.0g %12.0gc %12.0gc %12.0gc %12.0gc %12.0gc %12.0gc %9.2f %12.0gc	cenreg	State Census region Population Pop, < 5 year Pop, 5 to 17 years Pop, 18 and older Pop, 65 and older Urban population Median age Number of deaths		

Sorted by:

Note: Dataset has changed since last saved.

Also see

- [D] frames intro Introduction to frames
- [D] **frames** Data frames
- [D] **drop** Drop variables or observations
- [D] frame copy Make a copy of a frame
- [P] frame post Post results to dataset in another frame

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