> **frame put** — Copy selected variables or observations to a new frame

Description   Quick start   Menu   Syntax   Remarks and examples
Also see

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 U.S. Census.

```
. use https://www.stata-press.com/data/r18/census
(1980 Census data by state)

. describe

Contains data from https://www.stata-press.com/data/r18/census.dta
 Observations:           50                  1980 Census data by state
    Variables:           13                  6 Apr 2022 15:43
─────────────────────────────────────────────────────────────────────────
Variable       Storage   Display    Value
    name          type    format    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
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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
```
Variable name	Storage type	Display format	Value label	Variable label
state	str14	%-14s		State
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

```
Sorted by:
    Note: Dataset has changed since last saved.
```

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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