

STATA®/MP

Stata gets the most out of multicore systems.

No other statistical software comes close.

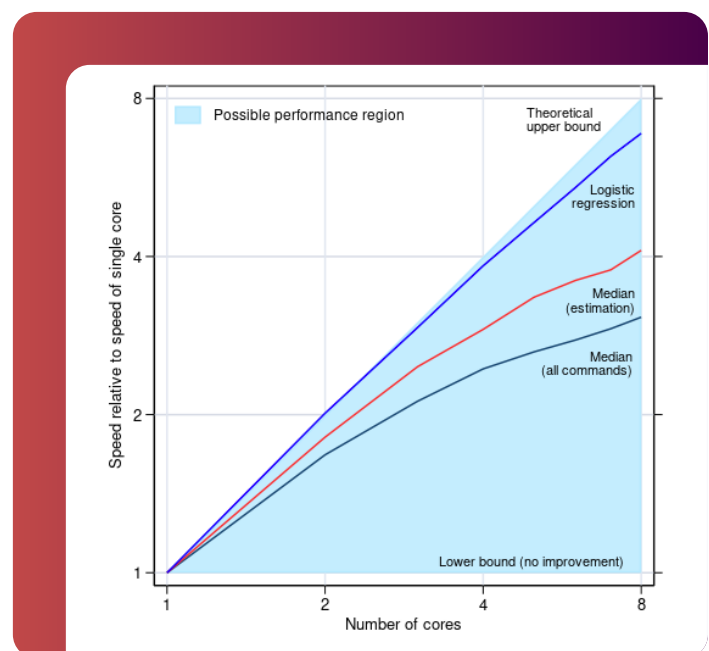
Stata/MP is faster. *Much faster.*

Stata/MP lets you analyze data in one-half to two-thirds the time compared with Stata/SE on inexpensive dual-core laptops and in one-quarter to one-half the time on quad-core desktops and laptops. Stata/MP runs even faster on multiprocessor servers. Stata/MP supports up to 64 cores/processors.

Speed is often most crucial when performing computationally intense estimation procedures. A few of Stata's estimation procedures, including linear regression, are nearly perfectly parallelized, meaning they run twice as fast on two cores, four times as fast on four cores, eight times as fast on eight cores, and so on. Some estimation commands can be parallelized more than others. Taken at the median, estimation commands run 1.8 times faster on 2 cores, 2.9 times faster on 4 cores, and 4.1 times faster on 8 cores.

Speed can also be important when managing large datasets. Adding new variables is nearly 100% parallelized, and sorting is 61% parallelized.

Some procedures are not parallelized, and some are inherently sequential, meaning they run at the same speed in Stata/MP. For a complete assessment of Stata/MP's performance, including command-by-command statistics, visit [stata.com/statamp/report.pdf](https://www.stata.com/statamp/report.pdf).



For the largest datasets

Because speed is most important when your problems are big.

Stata/MP supports even larger datasets than Stata/SE. Stata/SE can analyze up to 2 billion observations. Stata/MP can analyze 10 to 20 billion observations on the largest computers currently available and is ready to analyze up to 1 trillion observations once computer hardware catches up. Stata/MP also allows 120,000 variables compared with 32,767 variables allowed by Stata/SE.

Edition	Max. no. of variables	Max. no. of ind. variables	Max. no. of observations
Stata/MP	120,000	65,532	20 billion*
Stata/SE	32,767	10,998	2.14 billion*
Stata/BE	2,048	798	2.14 billion*

*The maximum number of observations is limited by the amount of available RAM on your system.

On any platform

Stata/MP is available for the following operating systems:

- Windows (64-bit processors)
- macOS (Apple Silicon and 64-bit Intel processors)
- Linux (64-bit processors)

Which is to say, all platforms are supported by Stata.

To run Stata/MP, you can use a desktop computer with a dual-core or quad-core processor, or you can use a server with multiple processors. Whether a computer has separate processors or one processor with multiple cores makes no difference. Having more processors or cores makes Stata/MP run faster.

Compatible with all other versions of Stata

Existing scripts just run faster. Analyses do not have to be reformulated or modified in any way. Use the same datasets and commands with Stata/MP, and you get your results faster.