

## mata memory — Report on Mata's memory usage

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## Description

`mata memory` provides a summary of Mata's current memory utilization.

## Syntax

```
: mata memory
```

This command is for use in Mata mode following Mata's colon prompt. To use this command from Stata's dot prompt, type

```
. mata: mata memory
```

## Remarks and examples

stata.com

```
: mata memory
```

	#	bytes
autoloaded functions	15	5,514
ado functions	0	0
defined functions	0	0
matrices & scalars	14	8,256
overhead		1,972
total	29	15,742

Functions are divided into three types:

1. *Autoloaded functions*, which refer to library functions currently loaded (and which will be automatically unloaded) from `.mlib` library files and `.mo` object files.
2. *Ado-functions*, which refer to functions currently loaded whose source appears in ado-files themselves. These functions will be cleared when the ado-file is automatically cleared.
3. *Defined functions*, which refer to functions that have been defined either interactively or from do-files and which will be cleared only when a `mata clear`, `mata drop`, `Stata clear mata`, or `Stata clear all` command is executed; see [\[M-3\] mata clear](#), [\[M-3\] mata drop](#), or [\[D\] clear](#).

## Also see

[\[M-1\] Limits](#) — Limits and memory utilization

[\[M-3\] mata clear](#) — Clear Mata's memory

[\[M-3\] Intro](#) — Commands for controlling Mata