Title

> **mata memory —** Report on Mata's memory usage

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

```
: 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

For suggested citations, see the FAQ on citing Stata documentation.