Title

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mata memory — Report on Mata's memory usage

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

Description

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

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