AUSTIN
CHEATSHEET

INSTALL

```
sudo snap install austin --classic
```

```
brew install austin
```

```
choco install austin
```

```
scoop install austin
```

```
conda install -c conda-forge austin
```

LAUNCH

Start a script
```
austin python myscript.py
```

Start an executable script
```
austin ./myscript.py
```

Start a module
```
austin python -m mymodule
```

Attach to a running process*
```
austin -p 123
```

Attach to child processes
```
austin -C python my_multiproc_script.py
```

```
austin -Cp 123
```

Set sampling interval
```
austin -p 123 -i 10ms
```

Exposure
```
austin -x 3s ./myscript.py
```

Where?*
```
austin -w 123
```

Set start-up timeout (on slow machines)
```
austin -p 123 -t 1s
```

Set heap size (for more accurate results)
```
austin -h 512 python -m mymodule
```

MODE

Wall clock time
```
austin python myscript.py
```

CPU time
```
austin -s python myscript.py
```

Memory
```
austin -m python myscript.py
```

* requires superuser capabilities on Linux

Wall clock time and garbage collector
```
austin -g python myscript.py
```

CPU time and garbage collector
```
austin -sg python myscript.py
```

All metrics
```
austin -f python -m mymodule
```

All metrics and garbage collector
```
austin -fg -p 123
```

OUTPUT

Emit to STDOUT (Python STDOUT suppressed)
```
austin python -m mymodule
```

Redirect to file (Python STDOUT suppressed)
```
austin -p 123 > /path/to/samples.austin
```

Pipe to other tools (Python STDOUT suppressed)
```
austin -P ./myscript.py | ./flamegraph.pl > fg.svg
```

Emit to file (Python STDOUT preserved)
```
austin -o /path/to/samples.austin -p 123
```

Emit to file in binary (MOJO) format (STDOUT preserved)
```
austin -bo /path/to/samples.austin -p 123
```

FORMAT

Default
```
austin ./myscript.py
```


Alternative
```
austin -ap 123
```


TOOLS

Austin TUI
```
pipx install austin-tui
```

Austin VS Code
```
code --install-extension p403n1x87.austin-vscode
```