

# dataset measure

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[Plumbing] Collect statistics about the relations in a particular dataset.

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This content describes the most recent release of the CodeQL CLI. For more information about this release, see <https://github.com/github/codeql-cli-binaries/releases>.

To see details of the options available for this command in an earlier release, run the command with the `--help` option in your terminal.

## Synopsis

Shell



```
codeql dataset measure --output=<file> [--threads=<num>] <options>... --
<dataset>
```

## Description

[Plumbing] Collect statistics about the relations in a particular dataset.

This command is typically only used when developing a CodeQL extractor, after a change that affects the database schema and which therefore needs to have an accompanying change to the statistics used by the query optimizer.

## Options

### Primary Options

**<dataset>** 

[Mandatory] Path to the raw QL dataset to measure.

**-o, --output=<file>** [↗](#)

[Mandatory] The output file to which statistics should be written, typically with a '.dbscheme.stats' extension.

**-j, --threads=<num>** [↗](#)

The number of concurrent threads to use.

Defaults to 1. You can pass 0 to use one thread per core on the machine, or *-N* to leave *N* cores unused (except still use at least one thread).

## Common options [↗](#)

**-h, --help** [↗](#)

Show this help text.

**-J=<opt>** [↗](#)

[Advanced] Give option to the JVM running the command.

(Beware that options containing spaces will not be handled correctly.)

**-v, --verbose** [↗](#)

Incrementally increase the number of progress messages printed.

**-q, --quiet** [↗](#)

Incrementally decrease the number of progress messages printed.

**--verbosity=<level>** [↗](#)

[Advanced] Explicitly set the verbosity level to one of errors, warnings, progress, progress+, progress++, progress+++. Overrides **-v** and **-q**.

**--logdir=<dir>** [↗](#)

[Advanced] Write detailed logs to one or more files in the given directory, with generated names that include timestamps and the name of the running subcommand.

(To write a log file with a name you have full control over, instead give **--log-to-stderr** and redirect stderr as desired.)

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