



Utilities

Configure

logging `datasets.utils.logging.get_verbosity`

🗣️ Datasets strives to be transparent and explicit about how it works, but this can be quite verbose at times. We have included a series of logging methods which allow you to easily adjust the level of verbosity of the entire library. Currently the default verbosity of the library is set to `WARNING`.

To change the level of verbosity, use one of the direct setters. For instance, here is how to change the verbosity to the `INFO` level:

```
import datasets
datasets.logging.set_verbosity_info()
```

You can also use the environment variable `DATASETS_VERBOSITY` to override the default verbosity, and set it to one of the following: `debug`, `info`, `warning`, `error`, `critical`:

```
DATASETS_VERBOSITY=error ./myprogram.py
```

All the methods of this logging module are documented below. The main ones are:

- `logging.get_verbosity()` to get the current level of verbosity in the logger
- `logging.set_verbosity()` to set the verbosity to the level of your choice

In order from the least to the most verbose (with their corresponding `int` values):

1. `logging.CRITICAL` or `logging.FATAL` (int value, 50): only report the most critical errors.
2. `logging.ERROR` (int value, 40): only report errors.
3. `logging.WARNING` or `logging.WARN` (int value, 30): only reports error and warnings. This the default level used by the library.
4. `logging.INFO` (int value, 20): reports error, warnings and basic information.
5. `logging.DEBUG` (int value, 10): report all information.

`datasets.utils.logging.get_verbosity`<https://github.com/huggingface/datasets/blob/4.2.0/src/datasets/utils/logging.py#L94> Logging level, e.g., `datasets.logging.DEBUG` and `datasets.logging.INFO` .

Return the current level for the HuggingFace datasets library's root logger.

[!TIP]

HuggingFace datasets library has following logging levels:

- `datasets.logging.CRITICAL` , `datasets.logging.FATAL`
- `datasets.logging.ERROR`
- `datasets.logging.WARNING` , `datasets.logging.WARN`
- `datasets.logging.INFO`
- `datasets.logging.DEBUG`

`datasets.utils.logging.set_verbosity`<https://github.com/huggingface/datasets/blob/4.2.0/src/datasets/utils/logging.py#L110> [{"name": "verbosity", "val": ": int"}]- **verbosity** --

Logging level, e.g., `datasets.logging.DEBUG` and `datasets.logging.INFO` .0

Set the level for the Hugging Face Datasets library's root logger.

`datasets.utils.logging.set_verbosity_info`<https://github.com/huggingface/datasets/blob/4.2.0/src/datasets/utils/logging.py#L119>

Set the level for the Hugging Face datasets library's root logger to `INFO` .

This will display most of the logging information and tqdm bars.

Shortcut to `datasets.logging.set_verbosity(datasets.logging.INFO)` .

`datasets.utils.logging.set_verbosity_warning`<https://github.com/huggingface/datasets/blob/4.2.0/src/datasets/utils/logging.py#L129>

Set the level for the Hugging Face datasets library's root logger to `WARNING` .

This will display only the warning and errors logging information and tqdm bars.

Shortcut to `datasets.logging.set_verbosity(datasets.logging.WARNING)` .

`datasets.utils.logging.set_verbosity_debug`<https://github.com/huggingface/datasets/blob/4.2.0/src/datasets/utils/logging.py#L139>

Set the level for the Hugging Face datasets library's root logger to `DEBUG` .

This will display all the logging information and tqdm bars.

Shortcut to `datasets.logging.set_verbosity(datasets.logging.DEBUG)` .

`datasets.utils.logging.set_verbosity_error`<https://github.com/huggingface/datasets/blob/4.2.0/src/datasets/utils/logging.py#L149> []

Set the level for the Hugging Face datasets library's root logger to `ERROR` .

This will display only the errors logging information and tqdm bars.

Shortcut to `datasets.logging.set_verbosity(datasets.logging.ERROR)` .

`datasets.utils.logging.disable_propagation`<https://github.com/huggingface/datasets/blob/4.2.0/src/datasets/utils/logging.py#L159> []

Disable propagation of the library log outputs.

Note that log propagation is disabled by default.

`datasets.utils.logging.enable_propagation`<https://github.com/huggingface/datasets/blob/4.2.0/src/datasets/utils/logging.py#L166> []

Enable propagation of the library log outputs.

Please disable the Hugging Face datasets library's default handler to prevent double logging if the root logger has been configured.

Configure progress bars

`datasets.enable_progressBars`

By default, `tqdm` progress bars will be displayed during dataset download and preprocessing.

You can disable them globally by setting `HF_DATASETS_DISABLE_PROGRESS_BARS` environment variable. You can also enable/disable them using `enable_progressBars()` and `disable_progressBars()`. If set, the environment variable has priority on the helpers.

`datasets.enable_progressBars`<https://github.com/huggingface/datasets/blob/4.2.0/src/datasets/utils/tqdm.py#L77> []

Enable globally progress bars used in `datasets` except if `HF_DATASETS_DISABLE_PROGRESS_BAR` environment

variable has been set.

Use `disable_progressBars()` to disable them.

`datasets.disableProgressBars``datasets.disableProgressBars`<https://github.com/huggingface/datasets/blob/4.2.0/src/datasets/utils/tqdm.py#L60>

Disable globally progress bars used in `datasets` except if `HF_DATASETS_DISABLE_PROGRESS_BAR` environment variable has been set.

Use `enableProgressBars()` to re-enable them.

`datasets.areProgressBarsDisabled``datasets.areProgressBarsDisabled`<https://github.com/huggingface/datasets/blob/4.2.0/src/datasets/utils/tqdm.py#L94>

Return whether progress bars are globally disabled or not.

Progress bars used in `datasets` can be enable or disabled globally using `enableProgressBars()`

and `disableProgressBars()` or by setting `HF_DATASETS_DISABLE_PROGRESS_BAR` as environment variable.