

Package ‘mlr3verse’

June 30, 2024

Title Easily Install and Load the 'mlr3' Package Family

Version 0.3.0

Description The 'mlr3' package family is a set of packages for machine-learning purposes built in a modular fashion. This wrapper package is aimed to simplify the installation and loading of the core 'mlr3' packages. Get more information about the 'mlr3' project at <https://mlr3book.mlr-org.com/>.

License LGPL-3

URL <https://mlr3verse.mlr-org.com>,
<https://github.com/mlr-org/mlr3verse>

BugReports <https://github.com/mlr-org/mlr3verse/issues>

Depends mlr3 (>= 0.20.0), R (>= 3.1.0)

Imports bbotk (>= 1.0.0), data.table, mlr3cluster (>= 0.1.9), mlr3data (>= 0.7.0), mlr3filters (>= 0.8.0), mlr3fselect (>= 1.0.0), mlr3hyperband (>= 0.5.0), mlr3learners (>= 0.7.0), mlr3mbo (>= 0.2.2), mlr3misc (>= 0.15.1), mlr3pipelines (>= 0.5.2), mlr3tuning (>= 1.0.0), mlr3tuningspaces (>= 0.5.1), mlr3viz (>= 0.8.0), paradox (>= 1.0.0)

Encoding UTF-8

RoxygenNote 7.3.1

NeedsCompilation no

Author Michel Lang [aut] (<https://orcid.org/0000-0001-9754-0393>),
Patrick Schratz [aut] (<https://orcid.org/0000-0003-0748-6624>),
Marc Becker [cre, aut] (<https://orcid.org/0000-0002-8115-0400>)

Maintainer Marc Becker <marcbecker@posteo.de>

Repository CRAN

Date/Publication 2024-06-30 12:30:02 UTC

Contents

mlr3verse-package	2
mlr3verse_info	3

mlr3verse-package *mlr3verse: Easily Install and Load the 'mlr3' Package Family*

Description

The 'mlr3' package family is a set of packages for machine-learning purposes built in a modular fashion. This wrapper package is aimed to simplify the installation and loading of the core 'mlr3' packages. Get more information about the 'mlr3' project at <https://mlr3book.mlr-org.com/>.

Learn mlr3

- Book on mlr3: <https://mlr3book.mlr-org.com>
- Use cases and examples gallery: <https://mlr3gallery.mlr-org.com>
- Cheat Sheets: <https://github.com/mlr-org/mlr3cheatsheets>

Additional Extension Packages

The **mlr3verse** only installs the subset of packages which are on the one hand frequently required to perform a data analysis, and on the other hand do not pull in too many dependencies or system requirements.

Additional extension packages include:

- Analysis of benchmark experiments: **mlr3benchmark**
- Task interface for data bases: **mlr3db**
- Connector to **OpenML**: **mlr3oml**
- Additional learners: <https://github.com/mlr-org/mlr3extralearners>
- Hyperband tuning algorithm: **mlr3hyperband**
- Spatio-temporal resampling: **mlr3spatiotempcv**

Author(s)

Maintainer: Marc Becker <marcbecker@posteo.de> ([ORCID](#))

Authors:

- Michel Lang <michellang@gmail.com> ([ORCID](#))
- Patrick Schratz <patrick.schratz@gmail.com> ([ORCID](#))

See Also

Useful links:

- <https://mlr3verse.mlr-org.com>
- <https://github.com/mlr-org/mlr3verse>
- Report bugs at <https://github.com/mlr-org/mlr3verse/issues>

mlr3verse_info	<i>Print mlr3* package versions</i>
----------------	-------------------------------------

Description

Returns the package versions of imported mlr3 packages as a `data.table::data.table()`.

Usage

```
mlr3verse_info()
```

Examples

```
mlr3verse_info()
```

Index

`data.table::data.table()`, [3](#)

`mlr3verse` (`mlr3verse-package`), [2](#)

`mlr3verse-package`, [2](#)

`mlr3verse_info`, [3](#)