

# Package: mediationverse (via r-universe)

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**Type** Package

**Title** Ecosystem for Mediation Analysis in R

**Version** 0.0.0.9000

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**Description** A meta-package that loads the core packages in the mediation analysis ecosystem: 'medfit' (infrastructure), 'probmed' (probabilistic effect sizes), 'RMediation' (confidence intervals), and 'medrobust' (sensitivity analysis). This package simplifies installation and provides a unified entry point for mediation analysis in R. Inspired by the 'tidyverse' and 'easystats' ecosystems.

**License** GPL (>= 3)

**URL** <https://Data-Wise.github.io/mediationverse/>,  
<https://github.com/Data-Wise/mediationverse>

**BugReports** <https://github.com/Data-Wise/mediationverse/issues>

**Depends** R (>= 4.1.0)

**Imports** cli, medfit

**Remotes** Data-Wise/medfit, Data-Wise/medsim, Data-Wise/medrobust,  
Data-Wise/probmed

**Suggests** altdoc, knitr, lavaan, medrobust, medsim, pak, probmed,  
quarto, remotes, rmarkdown, RMediation, rprojroot, testthat (>= 3.0.0)

**Config/Needs/website** pkgdown

**Encoding** UTF-8

**Roxygen** list(markdown = TRUE)

**RoxygenNote** 7.3.3

**VignetteBuilder** quarto

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**Repository** <https://data-wise.r-universe.dev>

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**RemoteRef** dev

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mediationverse\_conflicts  
*Show mediationverse Conflicts*

---

### Description

Identifies functions that are exported by multiple mediationverse packages, which could lead to masking issues.

### Usage

```
mediationverse_conflicts(only_loaded = TRUE)
```

### Arguments

`only_loaded` Logical. Only check currently loaded packages? Default is TRUE.

### Details

When multiple packages export a function with the same name, R uses the version from the package that was loaded last. This function helps identify such conflicts so you can use explicit namespacing (e.g., `medfit::extract_mediation()`) when needed.

### Value

A data frame with columns:

- `function_name`: Name of the conflicting function
- `packages`: Character vector of packages exporting this function
- `winner`: The package whose version will be used (last loaded)

**Examples**

```
## Not run:  
# Show conflicts among loaded mediationverse packages  
mediationverse_conflicts()  
  
## End(Not run)
```

---

mediationverse\_packages

*List mediationverse Packages*

---

**Description**

Lists all core packages in the mediationverse ecosystem along with their installation status and versions.

**Usage**

```
mediationverse_packages(include_self = TRUE)
```

**Arguments**

`include_self` Logical. Include mediationverse itself in the list? Default is TRUE.

**Value**

A data frame with columns:

- `package`: Package name
- `installed`: Logical, whether package is installed
- `version`: Package version (NA if not installed)
- `attached`: Logical, whether package is currently attached

**Examples**

```
mediationverse_packages()
```

---

mediationverse\_update *Update mediationverse Packages*

---

### Description

Updates all mediationverse packages to their latest versions from GitHub or CRAN.

### Usage

```
mediationverse_update(packages = NULL, ...)
```

### Arguments

`packages`      Character vector of package names to update. Default is all core packages.  
`...`            Additional arguments passed to the installation function.

### Details

This function uses `pak::pak()` if available (recommended), otherwise falls back to `remotes::install_github()` for GitHub packages and `utils::install.packages()` for CRAN packages.

Package sources:

- **mediationverse**: GitHub (data-wise/mediationverse)
- **medfit**: GitHub (data-wise/medfit)
- **probmed**: GitHub (data-wise/probmed)
- **RMediation**: CRAN
- **medrobust**: GitHub (data-wise/medrobust)
- **medsim**: GitHub (data-wise/medsim)

### Value

Invisibly returns a character vector of updated package names.

### Examples

```
## Not run:  
# Update all packages  
mediationverse_update()  
  
# Update specific packages  
mediationverse_update(c("medfit", "probmed"))  
  
## End(Not run)
```

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