

Package: Rggml (via r-universe)

July 7, 2026

Title Vendored 'GGML' Tensor Library with C-Callable Compute API

Version 0.1.0

Description Vendors the CPU backend of the 'GGML' tensor library (<<https://github.com/ggml-org/ggml>>) as a static library and exposes its core tensor-context and matrix-multiply compute path through 'R_RegisterCCallable' C-callable entry points. This is a carrier package: it has no high-level R modeling API of its own. Other R packages link to it ('LinkingTo') to build and compute 'GGML' tensor graphs (including quantized types such as Q4_K) from their own C or C++ code without re-vendoring 'GGML'. The CPU and BLAS backends are built (dense products offload to R's own BLAS); GPU ('Vulkan') support is a possible future addition.

License GPL (>= 2)

Encoding UTF-8

SystemRequirements GNU make, C++17

OS_type unix

Biarch false

Depends R (>= 4.4.0)

Suggests tinytest

Roxygen list(markdown = TRUE)

RoxygenNote 7.3.3

URL <https://github.com/soukoku-bioinfo/Rfmalloc>

BugReports <https://github.com/soukoku-bioinfo/Rfmalloc/issues>

Config/pak/sysreqs make

Repository <https://soukoku-bioinfo.r-universe.dev>

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RemoteUrl <https://github.com/soukoku-bioinfo/Rfmalloc>

RemoteRef HEAD

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RemoteSubdir packages/Rggml

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| | |
|--------------|--|
| ggml_version | <i>Vendored 'GGML' library version</i> |
|--------------|--|

Description

Returns the version string reported by the vendored 'GGML' library at runtime (`ggml_version()`), resolved through Rggml's own registered C-callable rather than a compile-time constant, so it always reflects the code that was actually built.

Usage

```
ggml_version()
```

Value

A length-1 character vector.

Examples

```
ggml_version()
```

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