

Package: wickragym (via r-universe)

October 7, 2026

Type Package

Title Deterministic Gymnasium-Compatible Backtest Environment

Version 0.2.0

Description R bindings for wickra-gym over its C ABI hub: build a Gymnasium-compatible backtest environment from a JSON spec, load candles and drive it with reset/step commands - the same JSON protocol as the CLI and every other language binding, with byte-identical trajectories.

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URL <https://github.com/wickra-lib/wickra-gym>

BugReports <https://github.com/wickra-lib/wickra-gym/issues>

Depends R (>= 4.1)

Encoding UTF-8

NeedsCompilation yes

SystemRequirements the wickra-gym C ABI shared library (WKGYM_LIB) and its header (WKGYM_INC).

Suggests jsonlite

Config/roxygen2/version 8.0.0

Repository <https://wickra-lib.r-universe.dev>

Date/Publication 2026-10-06 01:39:58 UTC

RemoteUrl <https://github.com/wickra-lib/wickra-gym>

RemoteRef v0.2.0

RemoteSha 76dc3b6c9f4c2e61e8602c98ada533826bdd46c

RemoteSubdir bindings/r

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wkgym_command	<i>Apply a command JSON and return the resulting response JSON.</i>
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Description

Apply a command JSON and return the resulting response JSON.

Usage

```
wkgym_command(env, cmd_json)
```

Arguments

env	An environment handle from [wkgym_new()].
cmd_json	A command JSON string ('load', 'reset', 'step', 'spec', 'version').

Value

The response as a JSON string.

wkgym_new	<i>Create a gym environment from a spec JSON.</i>
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Description

Create a gym environment from a spec JSON.

Usage

```
wkgym_new(spec_json)
```

Arguments

spec_json	An 'EnvSpec' JSON string.
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Value

A 'wickra_gym' environment handle (an external pointer).

wkgym_version	<i>The wickra-gym library version.</i>
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Description

The wickra-gym library version.

Usage

```
wkgym_version()
```

Value

A version string.

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