

Package ‘bonsai’

July 22, 2025

Title Model Wrappers for Tree-Based Models

Version 0.4.0

Description Bindings for additional tree-based model engines for use with the 'parsnip' package. Models include gradient boosted decision trees with 'LightGBM' (Ke et al, 2017.), conditional inference trees and conditional random forests with 'partykit' (Hothorn and Zeileis, 2015. and Hothorn et al, 2006. <[doi:10.1198/106186006X133933](https://doi.org/10.1198/106186006X133933)>), and accelerated oblique random forests with 'aorsf' (Jaeger et al, 2022 <[doi:10.5281/zenodo.7116854](https://doi.org/10.5281/zenodo.7116854)>).

License MIT + file LICENSE

URL <https://bonsai.tidymodels.org/>,
<https://github.com/tidymodels/bonsai>

BugReports <https://github.com/tidymodels/bonsai/issues>

Depends parsnip (>= 1.0.1), R (>= 4.1)

Imports cli, dials, dplyr, purrr, rlang (>= 1.1.0), stats, tibble,
utils, withr

Suggests aorsf (>= 0.1.5), covr, knitr, lightgbm, Matrix, modeldata,
partykit, rmarkdown, rsample, testthat (>= 3.0.0), tune

VignetteBuilder knitr

Config/Needs/website tidyverse/tidytemplate

Config/testthat/edition 3

Config/usethis/last-upkeep 2025-04-25

Encoding UTF-8

RoxygenNote 7.3.2

NeedsCompilation no

Author Daniel Falbel [aut],
Athos Damiani [aut],
Roel M. Hogervorst [aut] (ORCID:
<<https://orcid.org/0000-0001-7509-0328>>),
Max Kuhn [aut] (ORCID: <<https://orcid.org/0000-0003-2402-136X>>),

Simon Couch [aut] (ORCID: <<https://orcid.org/0000-0001-5676-5107>>),
 Emil Hvitfeldt [aut, cre] (ORCID:
 <<https://orcid.org/0000-0002-0679-1945>>),
 Posit Software, PBC [cph, fnd] (ROR: <<https://ror.org/03wc8by49>>)

Maintainer Emil Hvitfeldt <emil.hvitfeldt@posit.co>

Repository CRAN

Date/Publication 2025-06-25 12:30:02 UTC

Contents

bonsai-package	2
Index	3

bonsai-package	<i>bonsai: Model Wrappers for Tree-Based Models</i>
----------------	---

Description

Bindings for additional tree-based model engines for use with the 'parsnip' package. Models include gradient boosted decision trees with 'LightGBM' (Ke et al, 2017.), conditional inference trees and conditional random forests with 'partykit' (Hothorn and Zeileis, 2015. and Hothorn et al, 2006. [doi:10.1198/106186006X133933](https://doi.org/10.1198/106186006X133933)), and accelerated oblique random forests with 'aorsf' (Jaeger et al, 2022 [doi:10.5281/zenodo.7116854](https://doi.org/10.5281/zenodo.7116854)).

Author(s)

Maintainer: Emil Hvitfeldt <emil.hvitfeldt@posit.co> ([ORCID](#))

Authors:

- Daniel Falbel <dfalbel@curso-r.com>
- Athos Damiani <adamiani@curso-r.com>
- Roel M. Hogervorst <hogervorst.rm@gmail.com> ([ORCID](#))
- Max Kuhn <max@posit.co> ([ORCID](#))
- Simon Couch <simon.couch@posit.co> ([ORCID](#))

Other contributors:

- Posit Software, PBC (03wc8by49) [copyright holder, funder]

See Also

Useful links:

- <https://bonsai.tidymodels.org/>
- <https://github.com/tidymodels/bonsai>
- Report bugs at <https://github.com/tidymodels/bonsai/issues>

Index

bonsai (bonsai-package), [2](#)
bonsai-package, [2](#)