

Package ‘bonsai’

February 12, 2025

Title Model Wrappers for Tree-Based Models

Version 0.3.2

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)>).

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

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

Depends parsnip (>= 1.0.1), R (>= 4.0)

Imports cli, dials, dplyr, glue, 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

Encoding UTF-8

RoxygenNote 7.3.2

NeedsCompilation no

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Repository CRAN

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Contents

bonsai-package	2
Index	3

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

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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](#)