

# Package ‘bonsai’

June 24, 2024

**Title** Model Wrappers for Tree-Based Models

**Version** 0.3.0

**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)>).

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

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

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

**Imports** cli, dials, dplyr, glue, purrr, rlang, stats, tibble, utils

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

**VignetteBuilder** knitr

**Config/Needs/website** tidyverse/tidytemplate

**Config/testthat/edition** 3

**Encoding** UTF-8

**RoxygenNote** 7.3.1

**NeedsCompilation** no

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**Repository** CRAN

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## Contents

bonsai-package . . . . .	2
<b>Index</b>	<b>3</b>

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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](#)