

# Package: fairGATE (via r-universe)

June 6, 2026

**Title** FairGATE (Fair Gated Algorithm for Targeted Equity)

**Version** 0.1.0

**Description** Tools for training and analysing fairness-aware gated neural networks for subgroup-aware prediction and interpretation in clinical datasets. Methods draw on prior work in mixture-of-experts neural networks by Jordan and Jacobs (1994) <[doi:10.1007/978-1-4471-2097-1\\_113](https://doi.org/10.1007/978-1-4471-2097-1_113)>, fairness-aware learning by Hardt, Price, and Srebro (2016) <[doi:10.48550/arXiv.1610.02413](https://doi.org/10.48550/arXiv.1610.02413)>, and personalised treatment prediction for depression by Iniesta, Stahl, and McGuffin (2016) <[doi:10.1016/j.jpsychires.2016.03.016](https://doi.org/10.1016/j.jpsychires.2016.03.016)>.

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**Encoding** UTF-8

**Roxygen** list(markdown = TRUE)

**RoxygenNote** 7.3.3

**Imports** dplyr, tibble, ggplot2, readr, pROC, magrittr, tidyr, purrr, utils, stats, ggalluvial, tidyselect, rlang

**Suggests** knitr, torch, testthat, readxl, rmarkdown

**VignetteBuilder** knitr

**URL** <https://github.com/rhysholland/FairGATE>

**BugReports** <https://github.com/rhysholland/FairGate/issues>

**Depends** R (>= 4.1.0)

**SystemRequirements** Optional 'LibTorch' backend; install via torch::install\_torch().

**LazyData** true

**Config/pak/sysreqs** libicu-dev libx11-dev

**Repository** <https://rhysholland.r-universe.dev>

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**RemoteUrl** <https://github.com/rhysholland/fairgate>

**RemoteRef** HEAD

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