

# Package ‘MHD’

May 7, 2026

**Type** Package

**Title** Metric Halfspace Depth

**Version** 0.1.3

**Date** 2025-12-03

**Description** Metric halfspace depth for object data, generalizing Tukey's depth for Euclidean data. Implementing the method described in Dai and Lopez-Pintado (2022) <[doi:10.1080/01621459.2021.2011298](https://doi.org/10.1080/01621459.2021.2011298)>.

**License** GPL (>= 2)

**Imports** Rcpp (>= 1.0.3), manifold, nloptr, distory, plyr

**Suggests** foreach

**LinkingTo** Rcpp

**RoxygenNote** 7.3.3

**Depends** R (>= 3.2.1)

**Encoding** UTF-8

**NeedsCompilation** yes

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**Repository** CRAN

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