

Package: trama.multi (via r-universe)

October 10, 2026

Title Multivariate Analysis Collection for trama

Version 0.3.8

Description Nodes for multivariate analysis in a trama graph:
principal component analysis with scree, biplot and correlation circle; factor analysis by maximum likelihood or principal axis, with orthogonal (varimax, quartimax, equamax) and oblique (promax, oblimin) rotations; linear and quadratic discriminant analysis with exact leave-one-out predictions; logistic regression (binary and multinomial) as a classifier; jackknife bias, standard errors and pseudovalues for component, factor, discriminant and logistic statistics; and the diagnostics that come first (KMO, Bartlett's sphericity, Horn's parallel analysis, Box's M); distance matrices (Euclidean, Mahalanobis D2, Gower), hierarchical clustering with cophenetic correlation, k-means and Tocher's optimization method; and one-way MANOVA with optional blocks. Ships example data with known structure. Builds on trama.data for tables, trama.view for plots and trama.models, whose model contract the classifiers implement (prediction, confusion and ROC are its nodes).

License MIT + file LICENSE

Encoding UTF-8

Depends R (>= 4.1)

Imports trama (>= 0.5.10), trama.data (>= 0.4.4), trama.view, trama.models, MASS, cluster, nnet, ggplot2 (>= 4.0.0), rlang, tibble, datasets, grid, stats, utils

Suggests testthat (>= 3.0.0), png, GPArotation, irr, logistf, pROC, psych, withr

Config/testthat/edition 3

Config/trama/requires trama.data, trama.view, trama.models

Remotes uaipetro/trama,
trama.data=github::uaipetro/trama/collections/trama.data,
trama.view=github::uaipetro/trama/collections/trama.view,
trama.models=github::uaipetro/trama/collections/trama.models

Config/pak/sysreqs

cmake libfontconfig1-dev libfreetype6-dev libfribidi-dev make libharfbuzz-dev libicu-dev libjpeg-dev libpng-dev libtiff-dev libuv1-dev libwebp-dev libssl-dev libx11-dev zlib1g-dev

Repository <https://uaipetro.r-universe.dev>

Date/Publication 2026-10-09 16:23:25 UTC

RemoteUrl <https://github.com/uaipetro/trama>

RemoteRef HEAD

RemoteSha 1bdeb4f693df836f77e762f2642cc18a3956f8b1

RemoteSubdir collections/trama.multi