Package: movieROC (via r-universe)

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Type Package

Title Visualization for Classification Regions for ROC Curve Generalization

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Description Tools for estimating the Receiver Operating Characteristic (ROC) curve under different generalizations: - making the classification subsets flexible to cover those scenarios where both extremes of the marker are associated with a higher risk of being positive, considering two thresholds (gROC curve); - transforming the marker by a function either defined by the user or resulting from a logistic regression model (hROC curve); - considering a linear transformation with some fixed parameters introduced by the user, dynamic parameters resulting from Meisner et al. (2017) approach or empirically maximizing TPR for each FPR for a bivariate marker. Also a quadratic transformation with particular coefficients or a function fitted by a logistic regression model can be considered (biROC curve); - considering a linear transformation with some fixed parameters introduced by the user, dynamic parameters resulting from Meisner et al. (2017) approach or a function fitted by a logistic regression model (multiROC curve). The classification regions behind each point of the ROC curve are displayed in both fixed graphics (plot.buildROC, plot.regions or plot.funregions function) or videos (movieROC function).

License GPL-3

Encoding UTF-8

LazyData true

Imports rms, animation

Repository https://perezsonia.r-universe.dev

RemoteUrl https://github.com/perezsonia/movieroc

RemoteRef HEAD

RemoteSha 3a3f4744f8563463fdddcf85bd5fbe02e18f72fa