Package ‘altR2’

September 23, 2019

Version 1.0.0

Title Alternative Estimators to Adjusted R-Squared

Description Provides alternatives to the normal adjusted R-squared estimator for the estimation of the multiple squared correlation in regression models, as fitted by the lm() function. The alternative estimators are described in Karch (2016) <DOI:10.31234/osf.io/v8dz5>.

Depends R (>= 3.5.0)

Imports gsl (>= 1.9-10.3), purrr (>= 0.3.2),

Suggests testthat (>= 2.1.0), MASS (>= 7.3-51.1)

License GPL-2

URL https://github.com/karchjd/altR2

BugReports https://github.com/karchjd/altR2/issues

LazyData true

RoxygenNote 6.1.1

NeedsCompilation no

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Repository CRAN

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altR2 obtain estimates of the multiple squared correlation

Description
Returns different estimates of the multiple squared correlation.

Usage
altR2(lmOut)

Arguments
lmOut object of class "lm" as returned by the function lm

Value
A named vector with the different estimates

Examples
## Annette Dobson (1990) "An Introduction to Generalized Linear Models".
## Page 9: Plant Weight Data.
ctl <- c(4.17, 5.58, 5.18, 6.11, 4.50, 4.61, 5.17, 4.53, 5.33, 5.14)
trt <- c(4.81, 4.17, 4.41, 3.59, 5.87, 3.83, 6.03, 4.89, 4.32, 4.69)
group <- gl(2, 10, 20, labels = c("Ctl", "Trt"))
weight <- c(ctl, trt)
lm.D9 <- lm(weight ~ group)
estimates <- altR2(lm.D9)
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