Package 'altR2'

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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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R topics documented:

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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