

Package: varGWASR (via r-universe)

September 26, 2024

Title Least Absolute Deviation Regression Brown Forsythe Test

Version 1.0.0

Description Brown-Forsythe SNP test using LAD regression and variance effect estimate

License use_gpl3_license()

Encoding UTF-8

Roxygen list(markdown = TRUE)

RoxygenNote 7.1.2

Imports data.table, cqrReg, boot, dplyr, broom, car, sandwich

Suggests rmarkdown, knitr

VignetteBuilder knitr

NeedsCompilation no

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

RemoteUrl <https://github.com/MRCIEU/varGWASR>

RemoteRef HEAD

RemoteSha 8978065b1b3630f37a45e6d1f2527488a489cb55

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model	<i>Test for effect of SNP on outcome variance using the LAD-BF model</i>
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Description

Test for effect of SNP on outcome variance using the LAD-BF model

Usage

```
model(data, x, y, covar1 = NULL, covar2 = NULL)
```

Arguments

data	Dataframe of observations
x	Name of SNP dosage
y	Name of outcome
covar1	Optional vector of covariates to include in the first-stage model
covar2	Optional vector of covariates to include in the second-stage model

Value

Dataframe containing variance effect for SNP=1 (ϕ_{x1}) and SNP=2 (ϕ_{x2}) with SE and p and F-stat

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