

# betaSandwich: Robust Confidence Intervals for Standardized Regression Coefficients

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## Description

Generates robust confidence intervals for standardized regression coefficients using heteroscedasticity-consistent standard errors for models fitted by `lm()` as described in Dudgeon (2017).

## Installation

You can install the released version of **betaSandwich** from [GitHub](#) with:

```
install.packages("remotes")
remotes::install_github("jeksterslab/betaSandwich")
```

## Example

Describe the data and model here.

```
object <- lm(
  QUALITY ~ NARTIC + PCTGRT + PCTSUPP,
  data = stevens
)
```

```
summary(object)
```

```
BetaHC(object, type = "hc5")
```

```
#> Call:
```

```
#> BetaHC(object = object, type = "hc5")
```

```
#>
```

```
#> Standardized regression slopes with HC5 standard errors:
```

#>		est	se	t	p	0.05%	0.5%	2.5%	97.5%	99.5%	99.95%
#>	NARTIC	0.4951	0.0730	6.7834	0.0000	0.2369	0.2982	0.3478	0.6425	0.6921	0.7534
#>	PCTGRT	0.3915	0.0757	5.1749	0.0000	0.1239	0.1874	0.2388	0.5442	0.5956	0.6591
#>	PCTSUPP	0.2632	0.0794	3.3142	0.0019	-0.0178	0.0489	0.1030	0.4235	0.4776	0.5443

## More Information

See [GitHub Pages](#) for package documentation.

## References

Dudgeon, P. (2017). Some improvements in confidence intervals for standardized regression coefficients. *Psychometrika*, 82(4), 928–951. <https://doi.org/10.1007/s11336-017-9563-z>

R Core Team. (2022). *R: A language and environment for statistical computing*. R Foundation for Statistical Computing. Vienna, Austria. <https://www.R-project.org/>