betaDelta: Internal Tests

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Tests

```
\#> test-betaDelta-beta-delta-adf
#> Test passed
#> Test passed
\#> test-betaDelta-beta-delta-methods
#> Test passed
\#> test-betaDelta-beta-delta-mun
#> Test passed
#> Test passed
\#>\ test-betaDelta-diff-beta-delta-methods
#> Test passed
\#> test-betaDelta-diff-beta-delta
#> Test passed
#> Test passed
#> Test passed
#> Test passed
#> test-betaDelta
#> Test passed
#> test-deltaMethod-delta-generic
#> Test passed
#> Test passed
#> Test passed
#> Call:
#> DeltaGeneric(object = object, def = def, alpha = 0.05)
#> est se z p 2.5% 97.5%
#> exp(wt) 5.0853 7.5805 0.6708 0.5023 -9.7723 19.9429
#> exp(disp) 0.9662 0.0148 65.0838 0.0000 0.9371 0.9952
```

```
#> DeltaGeneric(object = object, def = list("exp(wt)"), alpha = 0.05,
\#> z = FALSE, df = 30)
#>
     est se t df p 2.5% 97.5%
#> exp(wt) 5.0853 7.5805 0.6708 30 0.5075 -10.3962 20.5668
#> Test passed
#> test-deltaMethod-delta
#> Test passed
#> Test passed
#> Test passed
#> Call:
#> Delta(coef = coef, vcov = vcov, func = func, alpha = 0.05)
#> est se z p 2.5% 97.5%
#> exp(wt) 5.0853 7.5805 0.6708 0.5023 -9.7723 19.9429
#> exp(disp) 0.9662 0.0148 65.0838 0.0000 0.9371 0.9952
#> Call:
#> Delta(coef = coef[2], vcov = vcov[2, 2, drop = FALSE], func = func,
\#> alpha = 0.05, z = FALSE, df = 30)
    est se t df p 2.5% 97.5%
#> exp(wt) 5.0853 7.5805 0.6708 30 0.5075 -10.3962 20.5668
#> Test passed
#> test-zzz-coverage
#> Test passed
#> Test passed
#> Test passed
#> [[1]]
#> [[1]][[1]]
#> [[1]][[1]]$value
#> [[1]][[1]]$value[[1]]
#> [1] TRUE
#>
#>
#> [[1]][[1]]$visible
#> [1] TRUE
#>
#>
#> [[1]][[2]]
#> [[1]][[2]]$value
#> [[1]][[2]]$value[[1]]
#> [1] TRUE
#>
#>
#> [[1]][[2]]$visible
```

```
#> [1] TRUE
#>
#>
#> [[1]][[3]]
#> [[1]][[3]]$value
#> [[1]][[3]]$value[[1]]
#> [1] TRUE
#>
#>
#> [[1]][[3]]$visible
#> [1] TRUE
#>
#>
#> [[1]][[4]]
#> [[1]][[4]]$value
#> [[1]][[4]]$value[[1]]
#> [1] TRUE
#>
#>
#> [[1]][[4]]$visible
#> [1] TRUE
#>
#>
#> [[1]][[5]]
#> [[1]][[5]]$value
#> [[1]][[5]]$value[[1]]
#> [1] TRUE
#>
#> [[1]][[5]]$visible
#> [1] TRUE
#>
#>
#> [[1]][[6]]
#> [[1]][[6]]$value
#> [[1]][[6]]$value[[1]]
#> [1] TRUE
#>
#>
#> [[1]][[6]]$visible
#> [1] TRUE
#>
#>
#> [[1]][[7]]
#> [[1]][[7]]$value
```

```
#> [[1]][[7]]$value[[1]]
#> [1] TRUE
#>
#>
#> [[1]][[7]]$visible
#> [1] TRUE
#>
#>
#> [[1]][[8]]
#> [[1]][[8]]$value
#> [[1]][[8]]$value[[1]]
#> [1] TRUE
#>
#>
#> [[1]][[8]]$visible
#> [1] TRUE
#>
#>
#> [[1]][[9]]
#> [[1]][[9]]$value
#> [[1]][[9]]$value[[1]]
#> [1] TRUE
#>
#>
#> [[1]][[9]]$visible
#> [1] TRUE
```

Environment

```
ls()
#> [1] "nas1982" "root"
```

Class

```
#> [[1]]
#> [1] "data.frame"
#>
#> [[2]]
#> [1] "root_criterion"
```

References

Pesigan, I. J. A., Sun, R. W., & Cheung, S. F. (2023). betaDelta and betaSandwich: Confidence intervals for standardized regression coefficients in R. *Multivariate Behavioral Research*, 58(6), 1183–1186. https://doi.org/10.1080/00273171.2023.2201277

R Core Team. (2025). R: A language and environment for statistical computing. R Foundation for Statistical Computing. Vienna, Austria. https://www.R-project.org/