betaMC: External Tests

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Tests

```
#> test-external-betaMC-beta-mc-adf
#> Standardized Monte Carlo Confidence Intervals
#> Test passed
#> Test passed
#> Test passed
#> Test passed
```

```
#> test-external-betaMC-beta-mc-mlm
```

```
#> Standardized Monte Carlo Confidence Intervals
#> Test passed
#> Test passed
#> Test passed
#> Test passed
```

```
#> test-external-betaMC-beta-mc-mvn
```

```
#> Standardized Monte Carlo Confidence Intervals
#> Test passed
#> Test passed
#> Test passed
#> Test passed
```

```
#> test-external-betaMC-diff-adf
```

```
#> Standardized Monte Carlo Confidence Intervals
#> Test passed
#> Test passed
#> Test passed
#> Test passed
```

```
#> test-external-betaMC-diff-mlm
```

```
#> Standardized Monte Carlo Confidence Intervals
#> Test passed
#> Test passed
#> Test passed
#> Test passed
```

```
#> test-external-betaMC-diff-mvn

#> Standardized Monte Carlo Confidence Intervals
#> Test passed
#> Test passed
#> Test passed
#> Test passed

#> test-external-betaMC-r-sq-adf

#> Standardized Monte Carlo Confidence Intervals
#> Test passed
#> Test passed
#> Test passed
#> Test passed

#> test-external-betaMC-r-sq-mlm

#> Standardized Monte Carlo Confidence Intervals
#> Test passed
#> Test passed
#> Test passed
#> Test passed

#> test-external-betaMC-r-sq-mvn

#> Standardized Monte Carlo Confidence Intervals
#> Test passed
#> Test passed
#> Test passed
#> Test passed

#> test-external-betaMC-vcov

#> Test passed
#> Test passed
#> Test passed
#> Test passed
#> Test passed
#> 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
#>
#>
#> [[1]][[10]]
#> [[1]][[10]]$value
#> [[1]][[10]]$value[[1]]
#> Call:
#> BetaMC(object = object, decomposition = "svd")
#>
```

```
#> Standardized regression slopes
#> type = "hc3"
#>       est     se     R  0.05%   0.5%   2.5%  97.5%  99.5% 99.95%
#> x1 0.5013 0.0021 20000 0.4942 0.4958 0.4972 0.5055 0.5068 0.5084
#> x2 0.4982 0.0021 20000 0.4915 0.4928 0.4941 0.5023 0.5037 0.5052
#>
#>
#> [[1]][[10]]$visible
#> [1] TRUE
```

Environment

```
ls()

#> [1] "nas1982"  "root"     "tex_file"
```

Class

```
#> [[1]]
#> [1] "data.frame"
#>
#> [[2]]
#> [1] "root_criterion"
#>
#> [[3]]
#> [1] "character"
```

References

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