betaMC: Internal Tests

Ivan Jacob Agaloos Pesigan

Tests

```
#> test-betaMC-methods
#> Call:
#> BetaMC(object = object)
#>
#> Standardized regression slopes.
#>  HC3 sampling variance-covariance matrix:
#>            est     se     R   0.05%   0.5%   2.5%  97.5%  99.5% 99.95%
#> NARTIC  0.4951 0.0804 20000  0.1572 0.2599 0.3199 0.6345 0.6781 0.7268
#> PCTGRT  0.3915 0.0824 20000  0.0969 0.1620 0.2135 0.5394 0.5894 0.6344
#> PCTSUPP 0.2632 0.0858 20000 -0.0579 0.0285 0.0866 0.4234 0.4725 0.5466
#> Call:
#> BetaMC(object = object)
#>
#> Standardized regression slopes.
#>  HC3 sampling variance-covariance matrix:
#> Call:
#> BetaMC(object = object)
#>
#> Standardized regression slopes.
#>  HC3 sampling variance-covariance matrix:
#>           est     se     R  0.05%   0.5%   2.5%  97.5%  99.5% 99.95%
#> NARTIC 0.7622 0.0723 20000 0.3092 0.5104 0.5875 0.8637 0.8923 0.9218
#> Call:
#> BetaMC(object = object)
#>
#> Standardized regression slopes.
#>  HC3 sampling variance-covariance matrix:

#> test-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]]
#>      2.5%     97.5%
#> 0.5874881 0.8637133
#>
#>
#> [[1]][[1]]$visible
#> [1] TRUE
#>
#>
#> [[1]][[2]]
#> [[1]][[2]]$value
#> [[1]][[2]]$value[[1]]
#> Call:
#> BetaMC(object = object, decomposition = "svd")
#>
#> Standardized regression slopes.
#>  HC3 sampling variance-covariance matrix:
#>       est     se     R  0.05%   0.5%   2.5%  97.5%  99.5% 99.95%
#> x1 0.4830 0.0210 20000 0.4139 0.4273 0.4403 0.5233 0.5370 0.5508
#> x2 0.4857 0.0215 20000 0.4132 0.4292 0.4426 0.5272 0.5402 0.5559
#>
#>
#> [[1]][[2]]$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/