betaMC: Staging

Ivan Jacob Agaloos Pesigan

Staging...

```r
object <- lm(QUALITY ~ NARTIC + PCTGRT + PCTSUPP, data = nas1982)
```

```r
BetaMC(object)

#> Call:
#> BetaMC(object = object)
#> 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

BetaMC(object, type = "mvn")

#> Call:
#> BetaMC(object = object, type = "mvn")
#> MVN sampling variance-covariance matrix:
#>            est     se     R  0.05%    0.5%    2.5%   97.5%   99.5%  99.95%
#> NARTIC  0.4951 0.0757 20000 0.2413 0.2940 0.3374 0.6349 0.6791 0.7388
#> PCTGRT  0.3915 0.0770 20000 0.1400 0.1926 0.2377 0.5379 0.5850 0.6251
#> PCTSUPP 0.2632 0.0744 20000 0.0275 0.0756 0.1171 0.4104 0.4613 0.5071

BetaMC(object, type = "adf")

#> Call:
#> BetaMC(object = object, type = "adf")
#> ADF sampling variance-covariance matrix:
#>            est     se     R   0.05%    0.5%    2.5%   97.5%   99.5%  99.95%
#> NARTIC  0.4951 0.0680 20000  0.2501 0.3090 0.3500 0.6162 0.6556 0.6965
#> PCTGRT  0.3915 0.0709 20000  0.1519 0.1979 0.2434 0.5214 0.5602 0.6073
#> PCTSUPP 0.2632 0.0771 20000 -0.0114 0.0473 0.1041 0.4063 0.4502 0.5072
```

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/