

# metaVAR: Internal Tests

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## Tests

```
#> test-metaVAR-fit-ct-var-id-mx-theta-null
#> Running CTVAR with 12 parameters
#>
#> Beginning initial fit attempt
#> Running CTVAR with 12 parameters
#>
#> Lowest minimum so far:   -2707.31197426421
#>
#> Solution found
```

```
#>
#> Solution found!   Final fit=-2707.312 (started at -2583.5637)   (1 attempt(s):   1
valid, 0 errors)
#> Start values from best fit:
#> -0.545410808015616,0.655791704057053,-0.4319181053049,0.0684713570989829,-0.1952231790709,0.85913
#> Running CTVAR with 12 parameters
#>
#> Beginning initial fit attempt
#> Running CTVAR with 12 parameters
#>
#> Lowest minimum so far:   -2726.62588111983
#>
#> Solution found
```

```
#>
#> Solution found!   Final fit=-2726.6259 (started at -2584.9163)   (1 attempt(s):
1 valid, 0 errors)
#> Start values from best fit:
#> -0.213900151770005,0.861186849501166,-0.405561461480421,-0.131907517647472,-0.523808720935904,0.8
#> Running Model with 90 parameters
#>
#> Beginning initial fit attempt
#> Running Model with 90 parameters
```

```
#>
#> Lowest minimum so far: -89.7692787740229
#>
#> Solution found
```

```
#>
#> Solution found! Final fit=-89.769279 (started at 49.63987) (1 attempt(s): 1
valid, 0 errors)
#> Start values from best fit:
#> -0.375137349077617,0.757131830409476,-0.414493586496051,-0.0312218385901363,-0.356491031738541,0
#> Error in OpenMx::mxSE(i_sqr, model = object$output, silent = TRUE): Couldn't evaluate
expression 'i_sqr'. Might help to check if it works in mxEval.
#> Recall also that elements of submodels are addressed as submodelName.objectName
#> For example, to refer to an object called 'bob' in submodel 'sub1', you would say
'sub1.bob'.
```

## Environment

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

## Class

```
#> [[1]]  
#> [1] "root_criterion"
```

## References

R Core Team. (2023). *R: A language and environment for statistical computing*. R Foundation for Statistical Computing. Vienna, Austria. <https://www.R-project.org/>