

# metaVAR: Internal Tests

Ivan Jacob Agaloos Pesigan

## Tests

```
#> test-metaVAR-fit-dt-var-id-mx-theta-null-fixed
#> Running DTVAR with 18 parameters
#>
#> Beginning initial fit attempt
#> Running DTVAR with 18 parameters
#>
#> Lowest minimum so far: 743.605370049116
#>
#> Solution found
```

```
#>
#> Solution found! Final fit=743.60537 (started at 2445.3969) (1 attempt(s): 1
valid, 0 errors)
#> Start values from best fit:
#> 0.73934054560697,0.467969926054717,-0.132181137841602,-0.00231115864579234,0.640865832400201,0.4
#> Running DTVAR with 18 parameters
#>
#> Beginning initial fit attempt
#> Running DTVAR with 18 parameters
#>
#> Lowest minimum so far: 813.234204269795
#>
#> Solution found
```

```
#>
#> Solution found! Final fit=813.2342 (started at 2163.9184) (1 attempt(s): 1
valid, 0 errors)
#> Start values from best fit:
#> 0.65564352769243,0.487534910178062,-0.147413193065882,0.0246712397399648,0.639212786366043,0.440
#> Running Model with 90 parameters
#>
#> Beginning initial fit attempt
#> Running Model with 90 parameters
```

```

#>
#> Lowest minimum so far: -129.719465203348
#>
#> Solution found

#>
#> Solution found! Final fit=-129.71947 (started at 47.35571) (1 attempt(s): 1
valid, 0 errors)
#> Start values from best fit:
#> 0.698600919193473,0.478152436978095,-0.140027798153445,0.0108528477372185,0.640168160598334,0.44
#> 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/>