

# metaVAR: Internal Tests

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## Tests

```
#> test-metaVAR-fit-dt-var-id-mx-theta-null-fixed
#> Running DTVAR with 12 parameters
#>
#> Beginning initial fit attempt
#> Running DTVAR with 12 parameters
#>
#> Lowest minimum so far: 747.033102572642
#>
#> Solution found
```

```
#>
#> Solution found! Final fit=747.0331 (started at 3210.0897) (1 attempt(s): 1
valid, 0 errors)
#> Start values from best fit:
#> 0.743568188910047,0.469981470177159,-0.136001959469777,0.00178853241710887,0.642822445431718,0.41
#> Running DTVAR with 12 parameters
#>
#> Beginning initial fit attempt
#> Running DTVAR with 12 parameters
#>
#> Lowest minimum so far: 817.178443288262
#>
#> Solution found
```

```
#>
#> Solution found! Final fit=817.17844 (started at 2706.2819) (1 attempt(s): 1
valid, 0 errors)
#> Start values from best fit:
#> 0.657519496849645,0.506254207150775,-0.136827529749096,0.0228023233634723,0.605350070032827,0.41
#> Running Model with 90 parameters
#>
#> Beginning initial fit attempt
#> Running Model with 90 parameters
```

```

#>
#> Lowest minimum so far: -138.754584686565
#>
#> Solution found

#>
#> Solution found! Final fit=-138.75458 (started at 47.327425) (1 attempt(s): 1
valid, 0 errors)
#> Start values from best fit:
#> 0.701311272832291,0.488036327349397,-0.136362701397195,0.0121826236455168,0.624461519855917,0.43
#> 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/>