

# semmcci: Internal Tests

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## Tests

```
#> test-semmcci-mc-latent-med-defined-none
#> Test passed
#> Test passed
#> Test passed

#> test-semmcci-mc-latent-med-defined

#> Test passed
#> Test passed
#> Test passed

#> test-semmcci-mc-latent-med-std-defined-none

#> Test passed
#> Test passed
#> Test passed

#> test-semmcci-mc-latent-med-std-defined

#> Test passed
#> Test passed
#> Test passed

#> test-semmcci-mc-simple-med-defined-equality

#> Test passed
#> Test passed
#> Test passed

#> test-semmcci-mc-simple-med-defined-inequality

#> Test passed
#> Test passed
#> Test passed

#> test-semmcci-mc-simple-med-defined-none
```

```

#> Test passed
#> Test passed
#> Test passed

#> test-semmcci-mc-simple-med-defined

#> Test passed
#> Test passed
#> Test passed

#> test-semmcci-mc-simple-med-std-defined-none-random-x

#> Test passed
#> Test passed
#> Test passed

#> test-semmcci-mc-simple-med-std-defined-none

#> Test passed
#> Test passed
#> Test passed

#> test-semmcci-mc-simple-med-std-defined

#> Test passed
#> Test passed
#> Test passed

#> test-semmcci-mc-methods

#> Monte Carlo Confidence Intervals
#>

```

	est	se	R	0.05%	0.5%	2.5%	97.5%	99.5%	99.95%
#> visual=~x2	0.5535	0.1044	100	0.3218	0.3253	0.3664	0.7282	0.8079	0.8194
#> visual=~x3	0.7294	0.1007	100	0.4876	0.5009	0.5344	0.8814	0.9576	1.0037
#> textual=~x5	1.1131	0.0628	100	0.8991	0.9139	0.9558	1.2096	1.2442	1.2699
#> textual=~x6	0.9261	0.0584	100	0.8055	0.8100	0.8296	1.0471	1.0876	1.1020
#> speed=~x8	1.1800	0.1702	100	0.7714	0.7826	0.8646	1.5514	1.6455	1.6486
#> speed=~x9	1.0815	0.1501	100	0.7272	0.7286	0.7911	1.3749	1.4125	1.4185
#> x1~~x1	0.5491	0.0964	100	0.2941	0.3103	0.3550	0.7318	0.7765	0.7864
#> x2~~x2	1.1338	0.1027	100	0.8293	0.8830	0.9570	1.3493	1.3768	1.3934
#> x3~~x3	0.8443	0.0852	100	0.6407	0.6420	0.6524	0.9926	1.0086	1.0104
#> x4~~x4	0.3712	0.0458	100	0.2710	0.2748	0.2829	0.4635	0.4757	0.4774
#> x5~~x5	0.4463	0.0676	100	0.2698	0.2910	0.3197	0.5729	0.6145	0.6327
#> x6~~x6	0.3562	0.0432	100	0.2738	0.2746	0.2851	0.4338	0.4444	0.4492
#> x7~~x7	0.7994	0.0726	100	0.6291	0.6371	0.6695	0.9432	0.9615	0.9665
#> x8~~x8	0.4877	0.0721	100	0.3226	0.3300	0.3524	0.6263	0.6535	0.6731
#> x9~~x9	0.5661	0.0631	100	0.4025	0.4216	0.4460	0.6720	0.7242	0.7472
#> visual~~visual	0.8093	0.1414	100	0.3927	0.3990	0.4943	1.0685	1.1171	1.1335
#> textual~~textual	0.9795	0.1193	100	0.6977	0.7031	0.7336	1.2030	1.2883	1.3296

```

#> speed~~speed      0.3837 0.0856 100 0.0937 0.1440 0.2180 0.5405 0.5700 0.5787
#> visual~~textual   0.4082 0.0686 100 0.2361 0.2388 0.2584 0.5318 0.5546 0.5683
#> visual~~speed     0.2622 0.0578 100 0.1306 0.1334 0.1438 0.3599 0.3768 0.3777
#> textual~~speed    0.1735 0.0519 100 0.0403 0.0448 0.0783 0.2792 0.3207 0.3343
#> Standardized Monte Carlo Confidence Intervals
#>           est      se   R  0.05%   0.5%   2.5%  97.5%  99.5% 99.95%
#> visual=~x2      0.4236 0.0631 100 0.2860 0.2923 0.3024 0.5321 0.5807 0.5860
#> visual=~x3      0.5811 0.0535 100 0.4205 0.4391 0.4812 0.6764 0.6827 0.6833
#> textual=~x5      0.8551 0.0261 100 0.7675 0.7824 0.8024 0.8967 0.9047 0.9061
#> textual=~x6      0.8380 0.0242 100 0.7820 0.7826 0.7859 0.8746 0.8827 0.8834
#> speed=~x8        0.7230 0.0501 100 0.5697 0.5770 0.5899 0.7982 0.8053 0.8095
#> speed=~x9        0.6650 0.0518 100 0.4828 0.5056 0.5485 0.7579 0.7758 0.7814
#> x1~~x1           0.4042 0.0785 100 0.2325 0.2404 0.2556 0.5597 0.6422 0.6594
#> x2~~x2           0.8206 0.0534 100 0.6566 0.6628 0.7169 0.9086 0.9145 0.9182
#> x3~~x3           0.6623 0.0613 100 0.5332 0.5340 0.5425 0.7684 0.8067 0.8231
#> x4~~x4           0.2748 0.0390 100 0.1699 0.1818 0.2152 0.3533 0.3628 0.3668
#> x5~~x5           0.2689 0.0442 100 0.1789 0.1815 0.1959 0.3561 0.3875 0.4108
#> x6~~x6           0.2977 0.0404 100 0.2195 0.2209 0.2350 0.3824 0.3875 0.3885
#> x7~~x7           0.6757 0.0612 100 0.5594 0.5656 0.5790 0.7959 0.8641 0.9082
#> x8~~x8           0.4772 0.0701 100 0.3448 0.3514 0.3628 0.6520 0.6670 0.6754
#> x9~~x9           0.5578 0.0672 100 0.3894 0.3981 0.4256 0.6992 0.7437 0.7668
#> visual~~visual   1.0000 0.0000 100 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000
#> textual~~textual 1.0000 0.0000 100 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000
#> speed~~speed     1.0000 0.0000 100 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000
#> visual~~textual  0.4585 0.0646 100 0.2964 0.3031 0.3292 0.5801 0.6216 0.6223
#> visual~~speed     0.4705 0.0848 100 0.2805 0.2911 0.3153 0.6302 0.6869 0.7262
#> textual~~speed    0.2830 0.0711 100 0.0747 0.0850 0.1661 0.4310 0.4387 0.4417
#> Monte Carlo Confidence Intervals
#> Standardized Monte Carlo Confidence Intervals

#> test-semmcci-npd

#> Test passed
#> Test passed
#> Test passed
#> Test passed
#> [[1]]
#> [[1]][[1]]
#> [[1]][[1]]$value
#> [[1]][[1]]$value[[1]]
#> [1] TRUE
#>
#>
#> [[1]][[1]]$visible
#> [1] TRUE
#>
#>

```

```
#> [[1]][[2]]
#> [[1]][[2]]$value
#> [[1]][[2]]$value[[1]]
#> [1] TRUE
#>
#>
#> [[1]][[2]]$visible
#> [1] TRUE
#>
#>
#> [[1]][[3]]
#> [[1]][[3]]$value
#> [[1]][[3]]$value[[1]]
#> [1] TRUE
#>
#>
#> [[1]][[3]]$visible
#> [1] TRUE
#>
#>
#> [[1]][[4]]
#> [[1]][[4]]$value
#> [[1]][[4]]$value[[1]]
#> [1] TRUE
#>
#>
#> [[1]][[4]]$visible
#> [1] TRUE
#>
#>
#> [[1]][[5]]
#> [[1]][[5]]$value
#> [[1]][[5]]$value[[1]]
#> [1] TRUE
#>
#>
#> [[1]][[5]]$visible
#> [1] TRUE
#>
#>
#> [[1]][[6]]
#> [[1]][[6]]$value
#> [[1]][[6]]$value[[1]]
#> [1] TRUE
#>
```

```

#>
#> [[1]][[6]]$visible
#> [1] TRUE
#>
#>
#> [[1]][[7]]
#> [[1]][[7]]$value
#> [[1]][[7]]$value[[1]]
#> [1] TRUE
#>
#>
#> [[1]][[7]]$visible
#> [1] TRUE
#>
#>
#> [[1]][[8]]
#> [[1]][[8]]$value
#> [[1]][[8]]$value[[1]]
#> [1] TRUE
#>
#>
#> [[1]][[8]]$visible
#> [1] TRUE
#>
#>
#> [[1]][[9]]
#> [[1]][[9]]$value
#> [[1]][[9]]$value[[1]]
#> [1] TRUE
#>
#>
#> [[1]][[9]]$visible
#> [1] TRUE
#>
#>
#> [[1]][[10]]
#> [[1]][[10]]$value
#> [[1]][[10]]$value[[1]]
#> [1] TRUE
#>
#>
#> [[1]][[10]]$visible
#> [1] TRUE
#>
#>
#> [[1]][[11]]

```



```
#>  
#> [[1]] [[13]]$visible  
#> [1] TRUE
```

## Environment

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



## Class

```
#> [[1]]  
#> [1] "character"  
#>  
#> [[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/>