

semmcci: Internal Tests

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Tests

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

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

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

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

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

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

#> test-semmcci-mc-simple-med-defined-none
#> Test passed

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

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

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

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

```

#> Test passed

#> test-semmcci-mvn

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

#> test-semmcci-mvn

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

#> test-semmcci-mvn

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

#> test-semmcci-mc-print

#> Monte Carlo Confidence Intervals
#>

```

	est	se	R	0.05%	0.5%	2.5%	97.5%	99.5%	99.95%
#> visual=~x2	0.5535	0.1038	100	0.2569	0.2718	0.3115	0.7273	0.7682	0.7801
#> visual=~x3	0.7294	0.1025	100	0.4512	0.4673	0.5210	0.9148	0.9359	0.9411
#> textual=~x5	1.1131	0.0665	100	0.9383	0.9554	0.9868	1.2475	1.2660	1.2732
#> textual=~x6	0.9261	0.0495	100	0.8288	0.8304	0.8391	1.0327	1.0555	1.0645
#> speed=~x8	1.1800	0.1683	100	0.7761	0.7961	0.8324	1.4817	1.5984	1.6622
#> speed=~x9	1.0815	0.1693	100	0.6298	0.6547	0.7586	1.3783	1.5034	1.5576
#> x1~~x1	0.5491	0.1125	100	0.2256	0.2381	0.3178	0.7079	0.7624	0.7706
#> x2~~x2	1.1338	0.0887	100	0.9037	0.9207	0.9527	1.3015	1.3129	1.3154
#> x3~~x3	0.8443	0.0856	100	0.6154	0.6521	0.7143	1.0313	1.0914	1.1016
#> x4~~x4	0.3712	0.0558	100	0.2231	0.2386	0.2643	0.4616	0.4961	0.5149
#> x5~~x5	0.4463	0.0609	100	0.2719	0.2881	0.3242	0.5560	0.6163	0.6292
#> x6~~x6	0.3562	0.0434	100	0.2436	0.2481	0.2747	0.4401	0.4621	0.4686
#> x7~~x7	0.7994	0.0800	100	0.6047	0.6076	0.6375	0.9513	0.9740	0.9777
#> x8~~x8	0.4877	0.0689	100	0.3444	0.3449	0.3632	0.6204	0.6399	0.6507
#> x9~~x9	0.5661	0.0680	100	0.3585	0.3805	0.4320	0.6575	0.7357	0.7707
#> visual~~visual	0.8093	0.1388	100	0.5387	0.5506	0.5662	1.1172	1.2236	1.2619
#> textual~~textual	0.9795	0.1101	100	0.7738	0.7744	0.8030	1.2205	1.3133	1.3830
#> speed~~speed	0.3837	0.0984	100	0.1975	0.2020	0.2098	0.6088	0.6392	0.6446
#> visual~~textual	0.4082	0.0711	100	0.2358	0.2375	0.2899	0.5572	0.5965	0.6084
#> visual~~speed	0.2622	0.0615	100	0.1148	0.1218	0.1395	0.3891	0.4218	0.4294
#> textual~~speed	0.1735	0.0530	100	0.0258	0.0413	0.0791	0.2618	0.2921	0.2937

```

#> Standardized Monte Carlo Confidence Intervals

```

```

#>               est      se    R 0.05%   0.5%   2.5%  97.5%  99.5% 99.95%
#> visual=~x2      0.4236 0.0613 100 0.2099 0.2152 0.2898 0.5204 0.5431 0.5538
#> visual=~x3      0.5811 0.0536 100 0.4535 0.4578 0.4646 0.6765 0.6924 0.6985
#> textual=~x5      0.8551 0.0246 100 0.7739 0.7794 0.8003 0.9019 0.9155 0.9223
#> textual=~x6      0.8380 0.0221 100 0.7917 0.7931 0.7954 0.8788 0.8922 0.8924
#> speed=~x8       0.7230 0.0489 100 0.5749 0.5855 0.6144 0.7929 0.8028 0.8051
#> speed=~x9       0.6650 0.0546 100 0.5226 0.5330 0.5534 0.7513 0.7680 0.7681
#> x1~~x1          0.4042 0.0817 100 0.1868 0.1961 0.2259 0.5316 0.5423 0.5448
#> x2~~x2          0.8206 0.0497 100 0.6932 0.7049 0.7292 0.9159 0.9537 0.9559
#> x3~~x3          0.6623 0.0613 100 0.5121 0.5205 0.5423 0.7841 0.7904 0.7943
#> x4~~x4          0.2748 0.0423 100 0.1537 0.1583 0.1802 0.3432 0.3490 0.3504
#> x5~~x5          0.2689 0.0419 100 0.1493 0.1619 0.1865 0.3595 0.3926 0.4011
#> x6~~x6          0.2977 0.0371 100 0.2037 0.2040 0.2277 0.3673 0.3710 0.3731
#> x7~~x7          0.6757 0.0669 100 0.4884 0.5067 0.5381 0.7974 0.8103 0.8151
#> x8~~x8          0.4772 0.0688 100 0.3519 0.3555 0.3714 0.6226 0.6571 0.6694
#> x9~~x9          0.5578 0.0713 100 0.4100 0.4102 0.4355 0.6938 0.7157 0.7269
#> 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 0.0645 100 0.3101 0.3130 0.3524 0.5909 0.6207 0.6261
#> visual~~speed   0.4705 0.0728 100 0.3025 0.3134 0.3322 0.5929 0.6311 0.6469
#> textual~~speed  0.2830 0.0743 100 0.0505 0.0791 0.1338 0.4106 0.4621 0.4880
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#>
#> [[1]][[3]]
#> [[1]][[3]]$value

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#>
#> [[1]][[11]]$visible
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#>
#>
#> [[1]][[12]]
#> [[1]][[12]]$value

```

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#>
#> [[1]] [[12]]$value[[2]]
#> [1] TRUE
#>
#> [[1]] [[12]]$value[[3]]
#> [1] TRUE
#>
#>
#> [[1]] [[12]]$visible
#> [1] TRUE
#>
#>
#> [[1]] [[13]]
#> [[1]] [[13]]$value
#> [[1]] [[13]]$value[[1]]
#>
#>
#> visual=~x2 0.4236 0.0613 100 0.2099 0.2152 0.2898 0.5204 0.5431 0.5538
#> visual=~x3 0.5811 0.0536 100 0.4535 0.4578 0.4646 0.6765 0.6924 0.6985
#> textual=~x5 0.8551 0.0246 100 0.7739 0.7794 0.8003 0.9019 0.9155 0.9223
#> textual=~x6 0.8380 0.0221 100 0.7917 0.7931 0.7954 0.8788 0.8922 0.8924
#> speed=~x8 0.7230 0.0489 100 0.5749 0.5855 0.6144 0.7929 0.8028 0.8051
#> speed=~x9 0.6650 0.0546 100 0.5226 0.5330 0.5534 0.7513 0.7680 0.7681
#> x1~~x1 0.4042 0.0817 100 0.1868 0.1961 0.2259 0.5316 0.5423 0.5448
#> x2~~x2 0.8206 0.0497 100 0.6932 0.7049 0.7292 0.9159 0.9537 0.9559
#> x3~~x3 0.6623 0.0613 100 0.5121 0.5205 0.5423 0.7841 0.7904 0.7943
#> x4~~x4 0.2748 0.0423 100 0.1537 0.1583 0.1802 0.3432 0.3490 0.3504
#> x5~~x5 0.2689 0.0419 100 0.1493 0.1619 0.1865 0.3595 0.3926 0.4011
#> x6~~x6 0.2977 0.0371 100 0.2037 0.2040 0.2277 0.3673 0.3710 0.3731
#> x7~~x7 0.6757 0.0669 100 0.4884 0.5067 0.5381 0.7974 0.8103 0.8151
#> x8~~x8 0.4772 0.0688 100 0.3519 0.3555 0.3714 0.6226 0.6571 0.6694
#> x9~~x9 0.5578 0.0713 100 0.4100 0.4102 0.4355 0.6938 0.7157 0.7269
#> visual~~visual 1.0000 0.0000 100 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000
#> textual~~textual 1.0000 0.0000 100 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000
#> speed~~speed 1.0000 0.0000 100 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000
#> visual~~textual 0.4585 0.0645 100 0.3101 0.3130 0.3524 0.5909 0.6207 0.6261
#> visual~~speed 0.4705 0.0728 100 0.3025 0.3134 0.3322 0.5929 0.6311 0.6469
#> textual~~speed 0.2830 0.0743 100 0.0505 0.0791 0.1338 0.4106 0.4621 0.4880
#>
#>
#> [[1]] [[13]]$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/>