Psychometric Properties

MULTICAGE CAD-4 Questionnaire

```
> summary(fit_v_01, fit.measures = TRUE, standardized = TRUE)
lavaan 0.6-12 ended normally after 31 iterations

  Estimator                                         ULS
  Optimization method                           NLMINB
  Number of model parameters                        28

  Number of observations                           802

Model Test User Model:
                                              Standard      Robust
  Test Statistic                               422.921     228.631
  Degrees of freedom                            50          50
  P-value (Unknown)                             NA          0.000
  Scaling correction factor                                 1.850
    Satorra-Bentler correction (ULSM)

Model Test Baseline Model:

  Test statistic                             11208.675    4241.461
  Degrees of freedom                            66          66
  P-value                                       NA          0.000
  Scaling correction factor                                 2.643

User Model versus Baseline Model:

  Comparative Fit Index (CFI)                   0.967       0.957
  Tucker-Lewis Index (TLI)                      0.956       0.944

  Robust Comparative Fit Index (CFI)                        0.970
  Robust Tucker-Lewis Index (TLI)                           0.960

Root Mean Square Error of Approximation:

  RMSEA                                         0.096       0.067
  90 Percent confidence interval - lower        0.088       0.060
  90 Percent confidence interval - upper        0.105       0.073
  P-value RMSEA <= 0.05                         0.000       0.000
```

Standardized Root Mean Square Residual:

SRMR	0.082	0.082

Weighted Root Mean Square Residual:

WRMR	2.329	2.329

Parameter Estimates:

Standard errors	Robust.sem
Information	Expected
Information saturated (h1) model	Unstructured

Latent Variables:

	Estimate	Std.Err	z-value	P(>|z|)	Std.lv	Std.all
Smarth_F1 =~						
MC13	1.000				0.711	0.711
MC14	0.911	0.079	11.516	0.000	0.648	0.648
MC15	0.964	0.084	11.498	0.000	0.686	0.686
MC16	0.940	0.083	11.345	0.000	0.668	0.668
Inter_F2 =~						
MC17	1.000				0.783	0.783
MC18	0.955	0.054	17.786	0.000	0.747	0.747
MC19	0.798	0.056	14.320	0.000	0.624	0.624
MC20	0.880	0.058	15.267	0.000	0.688	0.688
Videoga_F3 =~						
MC21	1.000				0.859	0.859
MC22	1.087	0.054	20.257	0.000	0.934	0.934
MC23	1.012	0.059	17.180	0.000	0.870	0.870
MC24	0.982	0.061	16.220	0.000	0.844	0.844

Covariances:

	Estimate	Std.Err	z-value	P(>|z|)	Std.lv	Std.all
.MC19 ~~						
.MC20	0.230	0.044	5.247	0.000	0.230	0.405
Smarth_F1 ~~						
Inter_F2	0.536	0.045	12.013	0.000	0.963	0.963
Videoga_F3	0.192	0.041	4.681	0.000	0.314	0.314
Inter_F2 ~~						
Videoga_F3	0.451	0.039	11.444	0.000	0.671	0.671

Distress Scale

```
> fit_v_02 <- cfa(model     = model_v_02,
+                 data      = walfi,
+                 ordered   = TRUE,
+                 estimator = "ULSM",
+                 mimic     = "Mplus")
> summary(fit_v_02, fit.measures = TRUE, standardized = TRUE)
lavaan 0.6-12 ended normally after 23 iterations

  Estimator                                         ULS
  Optimization method                           NLMINB
  Number of model parameters                        50

  Number of observations                           802

Model Test User Model:
                                              Standard      Robust
  Test Statistic                                78.768     341.884
  Degrees of freedom                                35          35
  P-value (Unknown)                                 NA       0.000
  Scaling correction factor                                  0.230
    Satorra-Bentler correction (ULSM)

Model Test Baseline Model:

  Test statistic                             11672.570   22523.946
  Degrees of freedom                                45          45
  P-value                                           NA       0.000
  Scaling correction factor                                  0.518

User Model versus Baseline Model:

  Comparative Fit Index (CFI)                    0.996       0.986
  Tucker-Lewis Index (TLI)                       0.995       0.982

  Robust Comparative Fit Index (CFI)                         0.994
  Robust Tucker-Lewis Index (TLI)                            0.992
```

Root Mean Square Error of Approximation:

RMSEA	0.040	0.105
90 Percent confidence interval - lower	0.028	0.084
90 Percent confidence interval - upper	0.051	0.126
P-value RMSEA <= 0.05	0.929	0.000
Robust RMSEA		0.050
90 Percent confidence interval - lower		0.045
90 Percent confidence interval - upper		0.055

Standardized Root Mean Square Residual:

SRMR	0.042	0.042

Weighted Root Mean Square Residual:

WRMR	0.963	0.963

Parameter Estimates:

Standard errors	Robust.sem
Information	Expected
Information saturated (h1) model	Unstructured

Latent Variables:

	Estimate	Std.Err	z-value	P(>|z|)	Std.lv	Std.all
Distres_F =~						
D1	1.000				0.814	0.814
D2	1.014	0.024	41.542	0.000	0.825	0.825
D3	1.003	0.023	42.969	0.000	0.817	0.817
D4	0.915	0.024	37.766	0.000	0.745	0.745
D5	0.882	0.024	36.252	0.000	0.718	0.718
D6	0.784	0.029	27.123	0.000	0.638	0.638
D7	0.957	0.024	39.500	0.000	0.779	0.779
D8	0.971	0.024	40.079	0.000	0.790	0.790
D9	0.953	0.025	38.198	0.000	0.776	0.776
D10	0.734	0.030	24.172	0.000	0.598	0.598

Anxiety Scale by COVID-19

```
> summary(fit_v_04, fit.measures = TRUE, standardized = TRUE)
lavaan 0.6-12 ended normally after 14 iterations

  Estimator                                         ULS
  Optimization method                           NLMINB
  Number of model parameters                        20

  Number of observations                           802

Model Test User Model:
                                              Standard      Robust
  Test Statistic                                 2.396      42.885
  Degrees of freedom                                 2           2
  P-value (Unknown)                                 NA       0.000
  Scaling correction factor                                  0.056
    Satorra-Bentler correction (ULSM)

Model Test Baseline Model:

  Test statistic                              3034.592   18684.437
  Degrees of freedom                                 6           6
  P-value                                           NA       0.000
  Scaling correction factor                                  0.162

User Model versus Baseline Model:

  Comparative Fit Index (CFI)                    1.000       0.998
  Tucker-Lewis Index (TLI)                       1.000       0.993

  Robust Comparative Fit Index (CFI)                         0.999
  Robust Tucker-Lewis Index (TLI)                            0.998

Root Mean Square Error of Approximation:

  RMSEA                                          0.016       0.160
  90 Percent confidence interval - lower         0.000       0.054
  90 Percent confidence interval - upper         0.074       0.358
  P-value RMSEA <= 0.05                          0.775       0.045
```

```
  Robust RMSEA                                                  0.038
  90 Percent confidence interval - lower                        0.028
  90 Percent confidence interval - upper                        0.048

Standardized Root Mean Square Residual:

  SRMR                                           0.017          0.017

Weighted Root Mean Square Residual:

  WRMR                                           0.330          0.330

Parameter Estimates:

  Standard errors                             Robust.sem
  Information                                   Expected
  Information saturated (h1) model          Unstructured

Latent Variables:
                   Estimate  Std.Err  z-value  P(>|z|)   Std.lv  Std.all
  Preoc_F =~
    A1                1.000                               0.841    0.841
    A2                1.134    0.017   66.773    0.000    0.953    0.953
    A3                1.089    0.016   68.304    0.000    0.915    0.915
    A4                1.017    0.016   61.817    0.000    0.855    0.855
```