lavaan 0.6-7 ended normally after 52 iterations

**latents.modelfour <- 'SALES =~ MasteryGoals\_S + TaskValue**

**PerfGoals =~ PerfAvGoals + PerfAppGoals**

**MG\_SE =~ SelfEfficacy\_P + SelfEfficacy\_S + MasteryGoals\_P '**

Estimator ML

Optimization method NLMINB

Number of free parameters 17

Number of observations 358

Model Test User Model:

Standard Robust

Test Statistic 254.897 197.744

Degrees of freedom 11 11

P-value (Chi-square) 0.000 0.000

Scaling correction factor 1.289

Satorra-Bentler correction

lavaan 0.6-7 ended normally after 52 iterations

Estimator ML

Optimization method NLMINB

Number of free parameters 17

Number of observations 358

Model Test User Model:

Standard Robust

Test Statistic 254.897 197.744

Degrees of freedom 11 11

P-value (Chi-square) 0.000 0.000

Scaling correction factor 1.289

Satorra-Bentler correction

Model Test Baseline Model:

Test statistic 2097.212 1216.161

Degrees of freedom 21 21

P-value 0.000 0.000

Scaling correction factor 1.724

User Model versus Baseline Model:

Comparative Fit Index (CFI) 0.883 0.844

Tucker-Lewis Index (TLI) 0.776 0.702

Robust Comparative Fit Index (CFI) 0.883

Robust Tucker-Lewis Index (TLI) 0.777

Loglikelihood and Information Criteria:

Loglikelihood user model (H0) -1788.943 -1788.943

Loglikelihood unrestricted model (H1) -1661.494 -1661.494

Akaike (AIC) 3611.886 3611.886

Bayesian (BIC) 3677.855 3677.855

Sample-size adjusted Bayesian (BIC) 3623.923 3623.923

Root Mean Square Error of Approximation:

RMSEA 0.249 0.218

90 Percent confidence interval - lower 0.223 0.195

90 Percent confidence interval - upper 0.276 0.242

P-value RMSEA <= 0.05 0.000 0.000

Robust RMSEA 0.247

90 Percent confidence interval - lower 0.218

90 Percent confidence interval - upper 0.278

Standardized Root Mean Square Residual:

SRMR 0.081 0.081

Parameter Estimates:

Standard errors Robust.sem

Information Expected

Information saturated (h1) model Structured

Latent Variables:

Estimate Std.Err z-value P(>|z|)

SALES =~

MasteryGoals\_S 1.000

TaskValue 0.849 0.029 29.130 0.000

PerfGoals =~

PerfAvGoals 1.000

PerfAppGoals 1.260 0.303 4.158 0.000

MG\_SE =~

SelfEfficacy\_P 1.000

SelfEfficacy\_S 1.191 0.164 7.263 0.000

MasteryGoals\_P 0.946 0.053 17.692 0.000

Covariances:

Estimate Std.Err z-value P(>|z|)

SALES ~~

PerfGoals 0.063 0.031 2.042 0.041

MG\_SE 0.218 0.022 9.789 0.000

PerfGoals ~~

MG\_SE 0.056 0.026 2.165 0.030

Variances:

Estimate Std.Err z-value P(>|z|)

.MasteryGoals\_S -0.031 0.009 -3.263 0.001

.TaskValue 0.092 0.015 6.228 0.000

.PerfAvGoals 0.205 0.200 1.026 0.305

.PerfAppGoals 0.107 0.316 0.339 0.735

.SelfEfficacy\_P 0.263 0.028 9.551 0.000

.SelfEfficacy\_S 0.048 0.010 4.723 0.000

.MasteryGoals\_P 0.259 0.034 7.527 0.000

SALES 0.385 0.050 7.768 0.000

PerfGoals 0.825 0.205 4.033 0.000

MG\_SE 0.159 0.029 5.479 0.000