lavaan 0.6-7 ended normally after 44 iterations

Estimator DWLS

Optimization method NLMINB

Number of free parameters 128

Number of observations 394

Model Test User Model:

Test statistic 810.610

Degrees of freedom 272

P-value (Chi-square) 0.000

Model Test Baseline Model:

Test statistic 41328.175

Degrees of freedom 300

P-value 0.000

User Model versus Baseline Model:

Comparative Fit Index (CFI) 0.987

Tucker-Lewis Index (TLI) 0.986

Root Mean Square Error of Approximation:

RMSEA 0.071

90 Percent confidence interval - lower 0.065

90 Percent confidence interval - upper 0.077

P-value RMSEA <= 0.05 0.000

Standardized Root Mean Square Residual:

SRMR 0.065

Parameter Estimates:

Standard errors Standard

Information Expected

Information saturated (h1) model Unstructured

Latent Variables:

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

SelfEfficacy =~

Q08 1.000

Q07 1.096 0.031 35.040 0.000

Q09 1.085 0.031 34.953 0.000

Q10 1.074 0.031 34.687 0.000

Q11 0.898 0.028 31.763 0.000

Q12 1.121 0.031 35.839 0.000

Q13 0.937 0.030 31.743 0.000

Q14 0.973 0.029 33.688 0.000

TaskValue =~

Q18 1.000

Q15 0.790 0.022 35.372 0.000

Q16 0.870 0.023 37.245 0.000

Q17 0.949 0.024 39.788 0.000

Q19 0.810 0.023 34.922 0.000

Q20 0.797 0.022 36.126 0.000

Q21 0.770 0.022 34.313 0.000

Q22 0.905 0.023 38.499 0.000

MasteryGoals =~

Q24 1.000

Q23 0.948 0.021 45.501 0.000

Q25 0.939 0.020 46.675 0.000

Q26 0.885 0.020 43.813 0.000

Q27 1.005 0.021 48.587 0.000

Q28 0.935 0.020 45.633 0.000

Q29 0.990 0.021 47.363 0.000

Q31 0.974 0.020 48.188 0.000

Q32 0.982 0.021 47.755 0.000

Covariances:

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

SelfEfficacy ~~

TaskValue 0.375 0.012 32.218 0.000

MasteryGoals 0.462 0.012 37.303 0.000

TaskValue ~~

MasteryGoals 0.584 0.013 44.030 0.000

Intercepts:

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

.Q08 0.000

.Q07 0.000

.Q09 0.000

.Q10 0.000

.Q11 0.000

.Q12 0.000

.Q13 0.000

.Q14 0.000

.Q18 0.000

.Q15 0.000

.Q16 0.000

.Q17 0.000

.Q19 0.000

.Q20 0.000

.Q21 0.000

.Q22 0.000

.Q24 0.000

.Q23 0.000

.Q25 0.000

.Q26 0.000

.Q27 0.000

.Q28 0.000

.Q29 0.000

.Q31 0.000

.Q32 0.000

SelfEfficacy 0.000

TaskValue 0.000

MasteryGoals 0.000

Thresholds:

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

Q08|t1 -2.236 0.172 -12.980 0.000

Q08|t2 -1.744 0.114 -15.278 0.000

Q08|t3 -0.703 0.069 -10.150 0.000

Q08|t4 0.585 0.067 8.694 0.000

Q07|t1 -2.236 0.172 -12.980 0.000

Q07|t2 -1.805 0.119 -15.122 0.000

Q07|t3 -0.761 0.070 -10.817 0.000

Q07|t4 0.593 0.067 8.792 0.000

Q09|t1 -2.321 0.187 -12.394 0.000

Q09|t2 -1.953 0.134 -14.574 0.000

Q09|t3 -1.191 0.083 -14.430 0.000

Q09|t4 0.199 0.064 3.118 0.002

Q10|t1 -2.236 0.172 -12.980 0.000

Q10|t2 -2.047 0.145 -14.114 0.000

Q10|t3 -1.204 0.083 -14.500 0.000

Q10|t4 0.212 0.064 3.318 0.001

Q11|t1 -2.321 0.187 -12.394 0.000

Q11|t2 -1.912 0.130 -14.750 0.000

Q11|t3 -0.744 0.070 -10.627 0.000

Q11|t4 0.490 0.066 7.413 0.000

Q12|t1 -2.321 0.187 -12.394 0.000

Q12|t2 -2.164 0.161 -13.441 0.000

Q12|t3 -1.591 0.103 -15.461 0.000

Q12|t4 0.140 0.063 2.213 0.027

Q13|t1 -2.427 0.209 -11.616 0.000

Q13|t2 -2.164 0.161 -13.441 0.000

Q13|t3 -1.060 0.078 -13.589 0.000

Q13|t4 0.483 0.066 7.314 0.000

Q14|t1 -2.236 0.172 -12.980 0.000

Q14|t2 -1.662 0.108 -15.413 0.000

Q14|t3 -0.608 0.068 -8.987 0.000

Q14|t4 0.655 0.068 9.571 0.000

Q18|t1 -2.236 0.172 -12.980 0.000

Q18|t2 -1.662 0.108 -15.413 0.000

Q18|t3 -1.005 0.076 -13.173 0.000

Q18|t4 0.192 0.064 3.017 0.003

Q15|t1 -1.805 0.119 -15.122 0.000

Q15|t2 -1.332 0.089 -15.054 0.000

Q15|t3 -0.412 0.065 -6.321 0.000

Q15|t4 0.639 0.068 9.377 0.000

Q16|t1 -2.236 0.172 -12.980 0.000

Q16|t2 -1.591 0.103 -15.461 0.000

Q16|t3 -0.695 0.069 -10.054 0.000

Q16|t4 0.405 0.065 6.221 0.000

Q17|t1 -2.102 0.152 -13.811 0.000

Q17|t2 -1.838 0.122 -15.020 0.000

Q17|t3 -0.974 0.075 -12.915 0.000

Q17|t4 0.238 0.064 3.720 0.000

Q19|t1 -2.164 0.161 -13.441 0.000

Q19|t2 -1.591 0.103 -15.461 0.000

Q19|t3 -0.511 0.066 -7.710 0.000

Q19|t4 0.787 0.071 11.100 0.000

Q20|t1 -2.236 0.172 -12.980 0.000

Q20|t2 -1.715 0.112 -15.334 0.000

Q20|t3 -0.647 0.068 -9.474 0.000

Q20|t4 0.678 0.069 9.861 0.000

Q21|t1 -1.912 0.130 -14.750 0.000

Q21|t2 -1.380 0.091 -15.201 0.000

Q21|t3 -0.490 0.066 -7.413 0.000

Q21|t4 0.555 0.067 8.301 0.000

Q22|t1 -2.321 0.187 -12.394 0.000

Q22|t2 -1.912 0.130 -14.750 0.000

Q22|t3 -1.038 0.077 -13.425 0.000

Q22|t4 0.238 0.064 3.720 0.000

Q24|t1 -2.321 0.187 -12.394 0.000

Q24|t2 -1.638 0.106 -15.437 0.000

Q24|t3 -0.858 0.072 -11.843 0.000

Q24|t4 0.238 0.064 3.720 0.000

Q23|t1 -2.164 0.161 -13.441 0.000

Q23|t2 -1.953 0.134 -14.574 0.000

Q23|t3 -1.317 0.088 -15.000 0.000

Q23|t4 -0.115 0.063 -1.811 0.070

Q25|t1 -2.164 0.161 -13.441 0.000

Q25|t2 -1.638 0.106 -15.437 0.000

Q25|t3 -0.840 0.072 -11.659 0.000

Q25|t4 0.199 0.064 3.118 0.002

Q26|t1 -2.571 0.245 -10.509 0.000

Q26|t2 -2.236 0.172 -12.980 0.000

Q26|t3 -1.774 0.117 -15.208 0.000

Q26|t4 -0.364 0.065 -5.623 0.000

Q27|t1 -2.427 0.209 -11.616 0.000

Q27|t2 -2.321 0.187 -12.394 0.000

Q27|t3 -1.715 0.112 -15.334 0.000

Q27|t4 -0.405 0.065 -6.221 0.000

Q28|t1 -2.236 0.172 -12.980 0.000

Q28|t2 -1.953 0.134 -14.574 0.000

Q28|t3 -1.302 0.087 -14.944 0.000

Q28|t4 0.038 0.063 0.604 0.546

Q29|t1 -2.164 0.161 -13.441 0.000

Q29|t2 -1.805 0.119 -15.122 0.000

Q29|t3 -1.005 0.076 -13.173 0.000

Q29|t4 0.199 0.064 3.118 0.002

Q31|t1 -2.321 0.187 -12.394 0.000

Q31|t2 -2.236 0.172 -12.980 0.000

Q31|t3 -1.715 0.112 -15.334 0.000

Q31|t4 -0.398 0.065 -6.121 0.000

Q32|t1 -2.427 0.209 -11.616 0.000

Q32|t2 -2.164 0.161 -13.441 0.000

Q32|t3 -1.805 0.119 -15.122 0.000

Q32|t4 -0.412 0.065 -6.321 0.000

Variances:

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

.Q08 0.487

.Q07 0.383

.Q09 0.396

.Q10 0.408

.Q11 0.586

.Q12 0.355

.Q13 0.550

.Q14 0.514

.Q18 0.332

.Q15 0.583

.Q16 0.494

.Q17 0.398

.Q19 0.562

.Q20 0.576

.Q21 0.604

.Q22 0.453

.Q24 0.291

.Q23 0.363

.Q25 0.375

.Q26 0.445

.Q27 0.284

.Q28 0.381

.Q29 0.305

.Q31 0.327

.Q32 0.316

SelfEfficacy 0.513 0.021 24.150 0.000

TaskValue 0.668 0.023 29.085 0.000

MasteryGoals 0.709 0.020 36.093 0.000

Scales y\*:

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

Q08 1.000

Q07 1.000

Q09 1.000

Q10 1.000

Q11 1.000

Q12 1.000

Q13 1.000

Q14 1.000

Q18 1.000

Q15 1.000

Q16 1.000

Q17 1.000

Q19 1.000

Q20 1.000

Q21 1.000

Q22 1.000

Q24 1.000

Q23 1.000

Q25 1.000

Q26 1.000

Q27 1.000

Q28 1.000

Q29 1.000

Q31 1.000

Q32 1.000

$FIT

npar fmin chisq df pvalue

128.000 1.029 810.610 272.000 0.000

baseline.chisq baseline.df baseline.pvalue cfi tli

41328.175 300.000 0.000 0.987 0.986

rmsea rmsea.ci.lower rmsea.ci.upper rmsea.pvalue srmr

0.071 0.065 0.077 0.000 0.065

$PE

lhs op rhs exo est se z pvalue

1 SelfEfficacy =~ Q08 0 1.00000000 0.00000000 NA NA

2 SelfEfficacy =~ Q07 0 1.09602706 0.03127925 35.0400697 0.00000000000000000000

3 SelfEfficacy =~ Q09 0 1.08477812 0.03103543 34.9528960 0.00000000000000000000

4 SelfEfficacy =~ Q10 0 1.07370048 0.03095398 34.6869983 0.00000000000000000000

5 SelfEfficacy =~ Q11 0 0.89813536 0.02827638 31.7627405 0.00000000000000000000

6 SelfEfficacy =~ Q12 0 1.12115617 0.03128328 35.8388359 0.00000000000000000000

7 SelfEfficacy =~ Q13 0 0.93664036 0.02950690 31.7430965 0.00000000000000000000

8 SelfEfficacy =~ Q14 0 0.97255637 0.02886967 33.6878214 0.00000000000000000000

9 TaskValue =~ Q18 0 1.00000000 0.00000000 NA NA

10 TaskValue =~ Q15 0 0.79017946 0.02233936 35.3716280 0.00000000000000000000

11 TaskValue =~ Q16 0 0.87037260 0.02336907 37.2446463 0.00000000000000000000

12 TaskValue =~ Q17 0 0.94867737 0.02384357 39.7875628 0.00000000000000000000

13 TaskValue =~ Q19 0 0.80961087 0.02318355 34.9217831 0.00000000000000000000

14 TaskValue =~ Q20 0 0.79687534 0.02205832 36.1258450 0.00000000000000000000

15 TaskValue =~ Q21 0 0.77012576 0.02244396 34.3132748 0.00000000000000000000

16 TaskValue =~ Q22 0 0.90456938 0.02349618 38.4985739 0.00000000000000000000

17 MasteryGoals =~ Q24 0 1.00000000 0.00000000 NA NA

18 MasteryGoals =~ Q23 0 0.94804928 0.02083569 45.5012126 0.00000000000000000000

19 MasteryGoals =~ Q25 0 0.93879778 0.02011347 46.6750767 0.00000000000000000000

20 MasteryGoals =~ Q26 0 0.88498343 0.02019908 43.8130479 0.00000000000000000000

21 MasteryGoals =~ Q27 0 1.00518614 0.02068822 48.5873641 0.00000000000000000000

22 MasteryGoals =~ Q28 0 0.93468200 0.02048258 45.6330282 0.00000000000000000000

23 MasteryGoals =~ Q29 0 0.99019127 0.02090642 47.3630265 0.00000000000000000000

24 MasteryGoals =~ Q31 0 0.97426876 0.02021794 48.1883210 0.00000000000000000000

25 MasteryGoals =~ Q32 0 0.98208730 0.02056531 47.7545547 0.00000000000000000000

26 Q08 | t1 0 -2.23555842 0.17222598 -12.9803785 0.00000000000000000000

27 Q08 | t2 0 -1.74366069 0.11413202 -15.2775766 0.00000000000000000000

28 Q08 | t3 0 -0.70271480 0.06923471 -10.1497467 0.00000000000000000000

29 Q08 | t4 0 0.58525594 0.06731800 8.6938998 0.00000000000000000000

30 Q07 | t1 0 -2.23555842 0.17222598 -12.9803785 0.00000000000000000000

31 Q07 | t2 0 -1.80505555 0.11936251 -15.1224665 0.00000000000000000000

32 Q07 | t3 0 -0.76092727 0.07034447 -10.8171580 0.00000000000000000000

33 Q07 | t4 0 0.59282318 0.06742907 8.7918037 0.00000000000000000000

34 Q09 | t1 0 -2.32067171 0.18724487 -12.3937797 0.00000000000000000000

35 Q09 | t2 0 -1.95349118 0.13403699 -14.5742691 0.00000000000000000000

36 Q09 | t3 0 -1.19138485 0.08256278 -14.4300478 0.00000000000000000000

37 Q09 | t4 0 0.19851827 0.06367612 3.1176252 0.00182314477280742793

38 Q10 | t1 0 -2.23555842 0.17222598 -12.9803785 0.00000000000000000000

39 Q10 | t2 0 -2.04749877 0.14506808 -14.1140541 0.00000000000000000000

40 Q10 | t3 0 -1.20442230 0.08306487 -14.4997799 0.00000000000000000000

41 Q10 | t4 0 0.21151259 0.06373792 3.3184731 0.00090511040293428380

42 Q11 | t1 0 -2.32067171 0.18724487 -12.3937797 0.00000000000000000000

43 Q11 | t2 0 -1.91230127 0.12965166 -14.7495320 0.00000000000000000000

44 Q11 | t3 0 -0.74403915 0.07001111 -10.6274443 0.00000000000000000000

45 Q11 | t4 0 0.48967276 0.06605445 7.4131684 0.00000000000012323476

46 Q12 | t1 0 -2.32067171 0.18724487 -12.3937797 0.00000000000000000000

47 Q12 | t2 0 -2.16409769 0.16101216 -13.4405852 0.00000000000000000000

48 Q12 | t3 0 -1.59070879 0.10288208 -15.4614757 0.00000000000000000000

49 Q12 | t4 0 0.14042416 0.06344836 2.2132037 0.02688360441938142387

50 Q13 | t1 0 -2.42690063 0.20893461 -11.6155987 0.00000000000000000000

51 Q13 | t2 0 -2.16409769 0.16101216 -13.4405852 0.00000000000000000000

52 Q13 | t3 0 -1.05957037 0.07797201 -13.5891124 0.00000000000000000000

53 Q13 | t4 0 0.48251292 0.06596994 7.3141328 0.00000000000025912605

54 Q14 | t1 0 -2.23555842 0.17222598 -12.9803785 0.00000000000000000000

55 Q14 | t2 0 -1.66232963 0.10785530 -15.4125913 0.00000000000000000000

56 Q14 | t3 0 -0.60806071 0.06765779 -8.9872975 0.00000000000000000000

57 Q14 | t4 0 0.65465430 0.06839986 9.5709888 0.00000000000000000000

58 Q18 | t1 0 -2.23555842 0.17222598 -12.9803785 0.00000000000000000000

59 Q18 | t2 0 -1.66232963 0.10785530 -15.4125913 0.00000000000000000000

60 Q18 | t3 0 -1.00536565 0.07632136 -13.1727956 0.00000000000000000000

61 Q18 | t4 0 0.19203379 0.06364677 3.0171807 0.00255137666459459567

62 Q15 | t1 0 -1.80505555 0.11936251 -15.1224665 0.00000000000000000000

63 Q15 | t2 0 -1.33236244 0.08850499 -15.0540946 0.00000000000000000000

64 Q15 | t3 0 -0.41218607 0.06521226 -6.3206837 0.00000000026040858359

65 Q15 | t4 0 0.63896971 0.06814279 9.3769231 0.00000000000000000000

66 Q16 | t1 0 -2.23555842 0.17222598 -12.9803785 0.00000000000000000000

67 Q16 | t2 0 -1.59070879 0.10288208 -15.4614757 0.00000000000000000000

68 Q16 | t3 0 -0.69459421 0.06908858 -10.0536757 0.00000000000000000000

69 Q16 | t4 0 0.40526982 0.06514472 6.2210689 0.00000000049377923972

70 Q17 | t1 0 -2.10223158 0.15221505 -13.8109312 0.00000000000000000000

71 Q17 | t2 0 -1.83849262 0.12240559 -15.0196788 0.00000000000000000000

72 Q17 | t3 0 -0.97421613 0.07543031 -12.9154470 0.00000000000000000000

73 Q17 | t4 0 0.23761110 0.06387417 3.7199872 0.00019923289444268022

74 Q19 | t1 0 -2.16409769 0.16101216 -13.4405852 0.00000000000000000000

75 Q19 | t2 0 -1.59070879 0.10288208 -15.4614757 0.00000000000000000000

76 Q19 | t3 0 -0.51130564 0.06631823 -7.7098812 0.00000000000001265654

77 Q19 | t4 0 0.78667510 0.07087113 11.1000777 0.00000000000000000000

78 Q20 | t1 0 -2.23555842 0.17222598 -12.9803785 0.00000000000000000000

79 Q20 | t2 0 -1.71527720 0.11186081 -15.3340321 0.00000000000000000000

80 Q20 | t3 0 -0.64679211 0.06827007 -9.4740218 0.00000000000000000000

81 Q20 | t4 0 0.67848863 0.06880490 9.8610509 0.00000000000000000000

82 Q21 | t1 0 -1.91230127 0.12965166 -14.7495320 0.00000000000000000000

83 Q21 | t2 0 -1.38024023 0.09080028 -15.2008362 0.00000000000000000000

84 Q21 | t3 0 -0.48967276 0.06605445 -7.4131684 0.00000000000012323476

85 Q21 | t4 0 0.55531356 0.06689463 8.3013175 0.00000000000000000000

86 Q22 | t1 0 -2.32067171 0.18724487 -12.3937797 0.00000000000000000000

87 Q22 | t2 0 -1.91230127 0.12965166 -14.7495320 0.00000000000000000000

88 Q22 | t3 0 -1.03752256 0.07728490 -13.4246475 0.00000000000000000000

89 Q22 | t4 0 0.23761110 0.06387417 3.7199872 0.00019923289444268022

90 Q24 | t1 0 -2.32067171 0.18724487 -12.3937797 0.00000000000000000000

91 Q24 | t2 0 -1.63751531 0.10607648 -15.4371199 0.00000000000000000000

92 Q24 | t3 0 -0.85805346 0.07245166 -11.8431168 0.00000000000000000000

93 Q24 | t4 0 0.23761110 0.06387417 3.7199872 0.00019923289444268022

94 Q23 | t1 0 -2.16409769 0.16101216 -13.4405852 0.00000000000000000000

95 Q23 | t2 0 -1.95349118 0.13403699 -14.5742691 0.00000000000000000000

96 Q23 | t3 0 -1.31706374 0.08780280 -15.0002476 0.00000000000000000000

97 Q23 | t4 0 -0.11476746 0.06337287 -1.8109874 0.07014280904006153783

98 Q25 | t1 0 -2.16409769 0.16101216 -13.4405852 0.00000000000000000000

99 Q25 | t2 0 -1.63751531 0.10607648 -15.4371199 0.00000000000000000000

100 Q25 | t3 0 -0.83980946 0.07203040 -11.6590969 0.00000000000000000000

101 Q25 | t4 0 0.19851827 0.06367612 3.1176252 0.00182314477280720588

102 Q26 | t1 0 -2.57059887 0.24460187 -10.5093180 0.00000000000000000000

103 Q26 | t2 0 -2.23555842 0.17222598 -12.9803785 0.00000000000000000000

104 Q26 | t3 0 -1.77352271 0.11662022 -15.2076772 0.00000000000000000000

105 Q26 | t4 0 -0.36416334 0.06476856 -5.6225329 0.00000001881777667023

106 Q27 | t1 0 -2.42690063 0.20893461 -11.6155987 0.00000000000000000000

107 Q27 | t2 0 -2.32067171 0.18724487 -12.3937797 0.00000000000000000000

108 Q27 | t3 0 -1.71527720 0.11186081 -15.3340321 0.00000000000000000000

109 Q27 | t4 0 -0.40526982 0.06514472 -6.2210689 0.00000000049377923972

110 Q28 | t1 0 -2.23555842 0.17222598 -12.9803785 0.00000000000000000000

111 Q28 | t2 0 -1.95349118 0.13403699 -14.5742691 0.00000000000000000000

112 Q28 | t3 0 -1.30206724 0.08712868 -14.9441867 0.00000000000000000000

113 Q28 | t4 0 0.03818128 0.06323808 0.6037703 0.54599634278963926626

114 Q29 | t1 0 -2.16409769 0.16101216 -13.4405852 0.00000000000000000000

115 Q29 | t2 0 -1.80505555 0.11936251 -15.1224665 0.00000000000000000000

116 Q29 | t3 0 -1.00536565 0.07632136 -13.1727956 0.00000000000000000000

117 Q29 | t4 0 0.19851827 0.06367612 3.1176252 0.00182314477280742793

118 Q31 | t1 0 -2.32067171 0.18724487 -12.3937797 0.00000000000000000000

119 Q31 | t2 0 -2.23555842 0.17222598 -12.9803785 0.00000000000000000000

120 Q31 | t3 0 -1.71527720 0.11186081 -15.3340321 0.00000000000000000000

121 Q31 | t4 0 -0.39837290 0.06507860 -6.1214114 0.00000000092750096492

122 Q32 | t1 0 -2.42690063 0.20893461 -11.6155987 0.00000000000000000000

123 Q32 | t2 0 -2.16409769 0.16101216 -13.4405852 0.00000000000000000000

124 Q32 | t3 0 -1.80505555 0.11936251 -15.1224665 0.00000000000000000000

125 Q32 | t4 0 -0.41218607 0.06521226 -6.3206837 0.00000000026040858359

[ reached 'max' / getOption("max.print") -- omitted 84 rows ]