**Figure 5 - Predict neuroticism with times.**

lavaan 0.6-3 ended normally after 102 iterations

Optimization method NLMINB

Number of free parameters 40

Number of equality constraints 22

Used Total

Number of observations 109 110

Number of missing patterns 3

Estimator ML Robust

Model Fit Test Statistic 74.493 68.185

Degrees of freedom 47 47

P-value (Chi-square) 0.006 0.023

Scaling correction factor 1.093

for the Yuan-Bentler correction (Mplus variant)

Model test baseline model:

Minimum Function Test Statistic 652.376 512.287

Degrees of freedom 45 45

P-value 0.000 0.000

User model versus baseline model:

Comparative Fit Index (CFI) 0.955 0.955

Tucker-Lewis Index (TLI) 0.957 0.957

Robust Comparative Fit Index (CFI) 0.961

Robust Tucker-Lewis Index (TLI) 0.963

Loglikelihood and Information Criteria:

Loglikelihood user model (H0) -3357.785 -3357.785

Scaling correction factor 0.649

for the MLR correction

Loglikelihood unrestricted model (H1) -3320.538 -3320.538

Scaling correction factor 1.189

for the MLR correction

Number of free parameters 18 18

Akaike (AIC) 6751.569 6751.569

Bayesian (BIC) 6800.013 6800.013

Sample-size adjusted Bayesian (BIC) 6743.136 6743.136

Root Mean Square Error of Approximation:

RMSEA 0.073 0.064

90 Percent Confidence Interval 0.039 0.104 0.027 0.095

P-value RMSEA <= 0.05 0.116 0.224

Robust RMSEA 0.067

90 Percent Confidence Interval 0.026 0.100

Standardized Root Mean Square Residual:

SRMR 0.093 0.093

Parameter Estimates:

Information Observed

Observed information based on Hessian

Standard Errors Robust.huber.white

Latent Variables:

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

t1 =~

sad\_1 1.000 3.692 0.404

fru\_1 (a) 1.705 0.425 4.009 0.000 6.294 0.642

ner\_1 (b) 0.864 0.209 4.139 0.000 3.189 0.363

t4 =~

sad\_4 1.000 3.692 0.404

fru\_4 (a) 1.705 0.425 4.009 0.000 6.294 0.642

ner\_4 (b) 0.864 0.209 4.139 0.000 3.189 0.363

t7 =~

sad\_7 1.000 3.692 0.404

fru\_7 (a) 1.705 0.425 4.009 0.000 6.294 0.642

ner\_7 (b) 0.864 0.209 4.139 0.000 3.189 0.363

g =~

sad\_1 1.000 6.656 0.728

fru\_1 (m) 0.934 0.124 7.511 0.000 6.218 0.634

ner\_1 (n) 0.888 0.102 8.726 0.000 5.912 0.673

sad\_4 1.000 6.656 0.728

fru\_4 (m) 0.934 0.124 7.511 0.000 6.218 0.634

ner\_4 (n) 0.888 0.102 8.726 0.000 5.912 0.673

sad\_7 1.000 6.656 0.728

fru\_7 (m) 0.934 0.124 7.511 0.000 6.218 0.634

ner\_7 (n) 0.888 0.102 8.726 0.000 5.912 0.673

Regressions:

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

Nm ~

g 0.044 0.016 2.787 0.005 0.295 0.476

t1 -0.027 0.033 -0.800 0.423 -0.098 -0.159

t4 -0.012 0.036 -0.343 0.731 -0.046 -0.074

t7 -0.036 0.036 -1.020 0.308 -0.134 -0.217

Covariances:

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

t1 ~~

g 0.000 0.000 0.000

t4 ~~

g 0.000 0.000 0.000

t7 ~~

g 0.000 0.000 0.000

t4 ~~

t7 0.000 0.000 0.000

t1 ~~

t4 0.000 0.000 0.000

t7 0.000 0.000 0.000

Intercepts:

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

t4 0.000 0.000 0.000

t7 0.000 0.000 0.000

t1 0.000 0.000 0.000

.sad\_1 (e) 11.050 0.732 15.104 0.000 11.050 1.208

.sad\_4 (e) 11.050 0.732 15.104 0.000 11.050 1.208

.sad\_7 (e) 11.050 0.732 15.104 0.000 11.050 1.208

.fru\_1 (f) 11.275 0.755 14.926 0.000 11.275 1.150

.fru\_4 (f) 11.275 0.755 14.926 0.000 11.275 1.150

.fru\_7 (f) 11.275 0.755 14.926 0.000 11.275 1.150

.ner\_1 (g) 12.454 0.684 18.213 0.000 12.454 1.417

.ner\_4 (g) 12.454 0.684 18.213 0.000 12.454 1.417

.ner\_7 (g) 12.454 0.684 18.213 0.000 12.454 1.417

.Nm 1.665 0.062 26.926 0.000 1.665 2.687

g 0.000 0.000 0.000

Variances:

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

t1 (h) 13.632 4.201 3.245 0.001 1.000 1.000

t4 (h) 13.632 4.201 3.245 0.001 1.000 1.000

t7 (h) 13.632 4.201 3.245 0.001 1.000 1.000

.sad\_1 (j) 25.689 4.124 6.229 0.000 25.689 0.307

.sad\_4 (j) 25.689 4.124 6.229 0.000 25.689 0.307

.sad\_7 (j) 25.689 4.124 6.229 0.000 25.689 0.307

.fru\_1 (k) 17.891 9.274 1.929 0.054 17.891 0.186

.fru\_4 (k) 17.891 9.274 1.929 0.054 17.891 0.186

.fru\_7 (k) 17.891 9.274 1.929 0.054 17.891 0.186

.ner\_1 (l) 32.110 4.353 7.377 0.000 32.110 0.416

.ner\_4 (l) 32.110 4.353 7.377 0.000 32.110 0.416

.ner\_7 (l) 32.110 4.353 7.377 0.000 32.110 0.416

.Nm 0.267 0.113 2.357 0.018 0.267 0.696

g 44.304 8.525 5.197 0.000 1.000 1.000