**Figure 7 – Predict neuroticism with days.**

lavaan 0.6-3 ended normally after 342 iterations

Optimization method NLMINB

Number of free parameters 39

Number of equality constraints 14

Used Total

Number of observations 109 110

Number of missing patterns 2

Estimator ML Robust

Model Fit Test Statistic 64.904 55.885

Degrees of freedom 40 40

P-value (Chi-square) 0.008 0.049

Scaling correction factor 1.161

for the Yuan-Bentler correction (Mplus variant)

Model test baseline model:

Minimum Function Test Statistic 594.457 463.574

Degrees of freedom 45 45

P-value 0.000 0.000

User model versus baseline model:

Comparative Fit Index (CFI) 0.955 0.962

Tucker-Lewis Index (TLI) 0.949 0.957

Robust Comparative Fit Index (CFI) 0.966

Robust Tucker-Lewis Index (TLI) 0.961

Loglikelihood and Information Criteria:

Loglikelihood user model (H0) -3411.304 -3411.304

Scaling correction factor 0.901

for the MLR correction

Loglikelihood unrestricted model (H1) -3378.853 -3378.853

Scaling correction factor 1.255

for the MLR correction

Number of free parameters 25 25

Akaike (AIC) 6872.609 6872.609

Bayesian (BIC) 6939.892 6939.892

Sample-size adjusted Bayesian (BIC) 6860.896 6860.896

Root Mean Square Error of Approximation:

RMSEA 0.076 0.060

90 Percent Confidence Interval 0.039 0.108 0.015 0.093

P-value RMSEA <= 0.05 0.109 0.297

Robust RMSEA 0.065

90 Percent Confidence Interval 0.005 0.103

Standardized Root Mean Square Residual:

SRMR 0.070 0.070

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 7.334 0.802

fru\_1 (a) 1.137 0.091 12.545 0.000 8.336 0.815

ner\_1 (b) 1.061 0.095 11.160 0.000 7.781 0.811

t4 =~

sad\_4 1.000 7.027 0.789

fru\_4 (a) 1.137 0.091 12.545 0.000 7.988 0.803

ner\_4 (b) 1.061 0.095 11.160 0.000 7.456 0.799

t7 =~

sad\_7 1.000 6.945 0.786

fru\_7 (a) 1.137 0.091 12.545 0.000 7.895 0.800

ner\_7 (b) 1.061 0.095 11.160 0.000 7.369 0.795

fru =~

fru\_1 (d) 1.000 3.430 0.335

fru\_4 (d) 1.000 3.430 0.345

fru\_7 (d) 1.000 3.430 0.347

ner =~

ner\_1 (e) 1.000 2.749 0.286

ner\_4 (e) 1.000 2.749 0.294

ner\_7 (e) 1.000 2.749 0.297

Regressions:

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

Nm ~

t1 0.030 0.009 3.166 0.002 0.217 0.353

fru -0.086 0.031 -2.770 0.006 -0.295 -0.479

ner -0.004 0.042 -0.093 0.926 -0.011 -0.017

Covariances:

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

t4 ~~

.Nm 1.003 0.452 2.217 0.027 0.143 0.289

t7 ~~

.Nm 0.439 0.312 1.407 0.159 0.063 0.128

t1 ~~

fru 0.000 0.000 0.000

t4 ~~

fru 0.000 0.000 0.000

t7 ~~

fru 0.000 0.000 0.000

t1 ~~

ner 0.000 0.000 0.000

t4 ~~

ner 0.000 0.000 0.000

t7 ~~

ner 0.000 0.000 0.000

fru ~~

ner 0.000 0.000 0.000

t1 ~~

t4 17.603 7.653 2.300 0.021 0.342 0.342

t7 40.389 9.149 4.414 0.000 0.793 0.793

t4 ~~

t7 22.266 7.309 3.046 0.002 0.456 0.456

Intercepts:

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

.sad\_1 0.000 0.000 0.000

.sad\_4 0.000 0.000 0.000

.sad\_7 0.000 0.000 0.000

.fru\_1 (f) 0.007 0.849 0.008 0.994 0.007 0.001

.fru\_4 (f) 0.007 0.849 0.008 0.994 0.007 0.001

.fru\_7 (f) 0.007 0.849 0.008 0.994 0.007 0.001

.ner\_1 (g) 2.287 1.017 2.248 0.025 2.287 0.238

.ner\_4 (g) 2.287 1.017 2.248 0.025 2.287 0.245

.ner\_7 (g) 2.287 1.017 2.248 0.025 2.287 0.247

t1 12.175 0.847 14.372 0.000 1.660 1.660

t4 9.059 0.792 11.443 0.000 1.289 1.289

t7 7.659 0.787 9.731 0.000 1.103 1.103

.Nm 1.306 0.131 9.951 0.000 1.306 2.124

fru 0.000 0.000 0.000

ner 0.000 0.000 0.000

Variances:

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

t1 53.783 11.347 4.740 0.000 1.000 1.000

t4 49.382 15.183 3.252 0.001 1.000 1.000

t7 48.239 10.926 4.415 0.000 1.000 1.000

.sad\_1 (j) 29.881 5.411 5.522 0.000 29.881 0.357

.sad\_4 (j) 29.881 5.411 5.522 0.000 29.881 0.377

.sad\_7 (j) 29.881 5.411 5.522 0.000 29.881 0.383

.fru\_1 (k) 23.338 4.240 5.505 0.000 23.338 0.223

.fru\_4 (k) 23.338 4.240 5.505 0.000 23.338 0.236

.fru\_7 (k) 23.338 4.240 5.505 0.000 23.338 0.240

.ner\_1 (l) 23.971 4.444 5.394 0.000 23.971 0.260

.ner\_4 (l) 23.971 4.444 5.394 0.000 23.971 0.275

.ner\_7 (l) 23.971 4.444 5.394 0.000 23.971 0.279

ner 7.556 2.875 2.628 0.009 1.000 1.000

.Nm 0.244 0.064 3.818 0.000 0.244 0.645

fru 11.765 4.662 2.524 0.012 1.000 1.000