> cat(as.character(syntax.fit.F\_Model\_T))

## LOADINGS:

FS\_early =~ 1\*RF1FQ1\_occ1 + lambda.1\_1\*RF1FQ1\_occ1

FS\_early =~ NA\*RF1FQ2\_occ1 + lambda.2\_1\*RF1FQ2\_occ1

FS\_early =~ NA\*RF1FQ3\_occ1 + lambda.3\_1\*RF1FQ3\_occ1

FS\_early =~ NA\*RF1FQ4\_occ1 + lambda.4\_1\*RF1FQ4\_occ1

FS\_early =~ NA\*RF1FQ8\_occ1 + lambda.5\_1\*RF1FQ8\_occ1

FS\_late =~ 1\*RF1FQ1\_occ2 + lambda.6\_2\*RF1FQ1\_occ2

FS\_late =~ NA\*RF1FQ2\_occ2 + lambda.7\_2\*RF1FQ2\_occ2

FS\_late =~ NA\*RF1FQ3\_occ2 + lambda.8\_2\*RF1FQ3\_occ2

FS\_late =~ NA\*RF1FQ4\_occ2 + lambda.9\_2\*RF1FQ4\_occ2

FS\_late =~ NA\*RF1FQ8\_occ2 + lambda.10\_2\*RF1FQ8\_occ2

## THRESHOLDS:

RF1FQ1\_occ1 | NA\*t1 + RF1FQ1\_occ1.thr1\*t1

RF1FQ1\_occ1 | NA\*t2 + RF1FQ1\_occ1.thr2\*t2

RF1FQ1\_occ1 | NA\*t3 + RF1FQ1\_occ1.thr3\*t3

RF1FQ2\_occ1 | NA\*t1 + RF1FQ2\_occ1.thr1\*t1

RF1FQ2\_occ1 | NA\*t2 + RF1FQ2\_occ1.thr2\*t2

RF1FQ2\_occ1 | NA\*t3 + RF1FQ2\_occ1.thr3\*t3

RF1FQ2\_occ1 | NA\*t4 + RF1FQ2\_occ1.thr4\*t4

RF1FQ2\_occ1 | NA\*t5 + RF1FQ2\_occ1.thr5\*t5

RF1FQ3\_occ1 | NA\*t1 + RF1FQ3\_occ1.thr1\*t1

RF1FQ3\_occ1 | NA\*t2 + RF1FQ3\_occ1.thr2\*t2

RF1FQ3\_occ1 | NA\*t3 + RF1FQ3\_occ1.thr3\*t3

RF1FQ4\_occ1 | NA\*t1 + RF1FQ4\_occ1.thr1\*t1

RF1FQ4\_occ1 | NA\*t2 + RF1FQ4\_occ1.thr2\*t2

RF1FQ4\_occ1 | NA\*t3 + RF1FQ4\_occ1.thr3\*t3

RF1FQ8\_occ1 | NA\*t1 + RF1FQ8\_occ1.thr1\*t1

RF1FQ8\_occ1 | NA\*t2 + RF1FQ8\_occ1.thr2\*t2

RF1FQ8\_occ1 | NA\*t3 + RF1FQ8\_occ1.thr3\*t3

RF1FQ1\_occ2 | NA\*t1 + RF1FQ1\_occ1.thr1\*t1

RF1FQ1\_occ2 | NA\*t2 + RF1FQ1\_occ1.thr2\*t2

RF1FQ1\_occ2 | NA\*t3 + RF1FQ1\_occ2.thr3\*t3

RF1FQ2\_occ2 | NA\*t1 + RF1FQ2\_occ1.thr1\*t1

RF1FQ2\_occ2 | NA\*t2 + RF1FQ2\_occ2.thr2\*t2

RF1FQ2\_occ2 | NA\*t3 + RF1FQ2\_occ2.thr3\*t3

RF1FQ2\_occ2 | NA\*t4 + RF1FQ2\_occ2.thr4\*t4

RF1FQ2\_occ2 | NA\*t5 + RF1FQ2\_occ2.thr5\*t5

RF1FQ3\_occ2 | NA\*t1 + RF1FQ3\_occ1.thr1\*t1

RF1FQ3\_occ2 | NA\*t2 + RF1FQ3\_occ2.thr2\*t2

RF1FQ3\_occ2 | NA\*t3 + RF1FQ3\_occ2.thr3\*t3

RF1FQ4\_occ2 | NA\*t1 + RF1FQ4\_occ1.thr1\*t1

RF1FQ4\_occ2 | NA\*t2 + RF1FQ4\_occ2.thr2\*t2

RF1FQ4\_occ2 | NA\*t3 + RF1FQ4\_occ2.thr3\*t3

RF1FQ8\_occ2 | NA\*t1 + RF1FQ8\_occ1.thr1\*t1

RF1FQ8\_occ2 | NA\*t2 + RF1FQ8\_occ2.thr2\*t2

RF1FQ8\_occ2 | NA\*t3 + RF1FQ8\_occ2.thr3\*t3

## INTERCEPTS:

RF1FQ1\_occ1 ~ nu.1\*1 + 0\*1

RF1FQ2\_occ1 ~ nu.2\*1 + 0\*1

RF1FQ3\_occ1 ~ nu.3\*1 + 0\*1

RF1FQ4\_occ1 ~ nu.4\*1 + 0\*1

RF1FQ8\_occ1 ~ nu.5\*1 + 0\*1

RF1FQ1\_occ2 ~ nu.6\*1 + 0\*1

RF1FQ2\_occ2 ~ nu.7\*1 + 0\*1

RF1FQ3\_occ2 ~ nu.8\*1 + 0\*1

RF1FQ4\_occ2 ~ nu.9\*1 + 0\*1

RF1FQ8\_occ2 ~ nu.10\*1 + 0\*1

## UNIQUE-FACTOR VARIANCES:

RF1FQ1\_occ1 ~~ 1\*RF1FQ1\_occ1 + theta.1\_1\*RF1FQ1\_occ1

RF1FQ2\_occ1 ~~ 1\*RF1FQ2\_occ1 + theta.2\_2\*RF1FQ2\_occ1

RF1FQ3\_occ1 ~~ 1\*RF1FQ3\_occ1 + theta.3\_3\*RF1FQ3\_occ1

RF1FQ4\_occ1 ~~ 1\*RF1FQ4\_occ1 + theta.4\_4\*RF1FQ4\_occ1

RF1FQ8\_occ1 ~~ 1\*RF1FQ8\_occ1 + theta.5\_5\*RF1FQ8\_occ1

RF1FQ1\_occ2 ~~ NA\*RF1FQ1\_occ2 + theta.6\_6\*RF1FQ1\_occ2

RF1FQ2\_occ2 ~~ NA\*RF1FQ2\_occ2 + theta.7\_7\*RF1FQ2\_occ2

RF1FQ3\_occ2 ~~ NA\*RF1FQ3\_occ2 + theta.8\_8\*RF1FQ3\_occ2

RF1FQ4\_occ2 ~~ NA\*RF1FQ4\_occ2 + theta.9\_9\*RF1FQ4\_occ2

RF1FQ8\_occ2 ~~ NA\*RF1FQ8\_occ2 + theta.10\_10\*RF1FQ8\_occ2

## UNIQUE-FACTOR COVARIANCES:

RF1FQ1\_occ1 ~~ NA\*RF1FQ1\_occ2 + theta.6\_1\*RF1FQ1\_occ2

RF1FQ2\_occ1 ~~ NA\*RF1FQ2\_occ2 + theta.7\_2\*RF1FQ2\_occ2

RF1FQ3\_occ1 ~~ NA\*RF1FQ3\_occ2 + theta.8\_3\*RF1FQ3\_occ2

RF1FQ4\_occ1 ~~ NA\*RF1FQ4\_occ2 + theta.9\_4\*RF1FQ4\_occ2

RF1FQ8\_occ1 ~~ NA\*RF1FQ8\_occ2 + theta.10\_5\*RF1FQ8\_occ2

## LATENT MEANS/INTERCEPTS:

FS\_early ~ alpha.1\*1 + NA\*1

FS\_late ~ alpha.2\*1 + NA\*1

## COMMON-FACTOR VARIANCES:

FS\_early ~~ NA\*FS\_early + psi.1\_1\*FS\_early

FS\_late ~~ NA\*FS\_late + psi.2\_2\*FS\_late

## COMMON-FACTOR COVARIANCES:

FS\_early ~~ NA\*FS\_late + psi.2\_1\*FS\_late

> summary(syntax.fit.F\_Model\_T)

This lavaan model syntax specifies a CFA with 10 manifest indicators (10 of which are ordinal) of 2 common factor(s).

To identify the location and scale of each common factor, the first indicator`s intercept and factor loading were fixed to 0 and 1, respectively.

The location and scale of each latent item-response underlying 10 ordinal indicators were identified using the "theta" parameterization, and the identification constraints recommended by Millsap & Tein (2004). For details, read:

http://dx.doi.org/10.1207/S15327906MBR3903\_4

The following factors were measured on multiple occasions:

"FS" was measured on 2 occasions

Pattern matrix indicating num(eric), ord(ered), and lat(ent) indicators per factor:

FS\_early FS\_late

RF1FQ1\_occ1 ord

RF1FQ2\_occ1 ord

RF1FQ3\_occ1 ord

RF1FQ4\_occ1 ord

RF1FQ8\_occ1 ord

RF1FQ1\_occ2 ord

RF1FQ2\_occ2 ord

RF1FQ3\_occ2 ord

RF1FQ4\_occ2 ord

RF1FQ8\_occ2 ord

This model hypothesizes only configural invariance.