**# Growth curve linear**

I =~ 1\*a\_pornuse + 1\*b\_pornuse + 1\*c\_pornuse + 1\*d\_pornuse + 1\*e\_pornuse

S =~ 0\*a\_pornuse + 1\*b\_pornuse + 2\*c\_pornuse + 3\*d\_pornuse + 4\*e\_pornuse

**# fixing residuals to equality**

a\_pornuse ~~ a\*a\_pornuse

b\_pornuse ~~ a\*b\_pornuse

c\_pornuse ~~ a\*c\_pornuse

d\_pornuse ~~ a\*d\_pornuse

e\_pornuse ~~ a\*e\_pornuse

**# Growth curve quadratic**

I =~ 1\*a\_pornuse + 1\*b\_pornuse + 1\*c\_pornuse + 1\*d\_pornuse + 1\*e\_pornuse

S\_l =~ 0\*a\_pornuse + 1\*b\_pornuse + 2\*c\_pornuse + 3\*d\_pornuse + 4\*e\_pornuse

S\_q =~ 0\*a\_pornuse + 1\*b\_pornuse + 4\*c\_pornuse + 9\*d\_pornuse + 16\*e\_pornuse

**# Growth curve cumulative**

I =~ 1\*a\_pornuse + 1\*b\_pornuse + 1\*c\_pornuse + 1\*d\_pornuse + 1\*e\_pornuse

S =~ 0\*a\_pornuse + b\_pornuse + c\_pornuse + d\_pornuse + 1\*e\_pornuse

**# Growth curve piecewise**

I =~ 1\*a\_pornuse + 1\*b\_pornuse + 1\*c\_pornuse + 1\*d\_pornuse + 1\*e\_pornuse

S\_a =~ 0\*a\_pornuse + 1\*b\_pornuse + 0\*c\_pornuse + 0\*d\_pornuse + 0\*e\_pornuse

S\_b =~ 0\*a\_pornuse + 0\*b\_pornuse + 2\*c\_pornuse + 3\*d\_pornuse + 4\*e\_pornuse

**#Conditional model with time-invariant predictors**

I =~ 1\*a\_pornuse + 1\*b\_pornuse + 1\*c\_pornuse + 1\*d\_pornuse + 1\*e\_pornuse

S =~ 0\*a\_pornuse + 1\*b\_pornuse + 2\*c\_pornuse + 3\*d\_pornuse + 4\*e\_pornuse

I ~ Gender + Age

S ~ Gender + Age

Gender ~~ Age

**#Conditional model with time-varying predictor**

I =~ 1\*a\_pornuse + 1\*b\_pornuse + 1\*c\_pornuse + 1\*d\_pornuse + 1\*e\_pornuse

S =~ 0\*a\_pornuse + 1\*b\_pornuse + 2\*c\_pornuse + 3\*d\_pornuse + 4\*e\_pornuse

a\_pornuse ~ a\_depanx

b\_pornuse ~ b\_depanx

c\_pornuse ~ c\_depanx

d\_pornuse ~ d\_depanx

e\_pornuse ~ e\_depanx

a\_depanx~~b\_depanx + c\_depanx + d\_depanx + e\_depanx

b\_depanx~~c\_depanx + d\_depanx + e\_depanx

c\_depanx~~d\_depanx + e\_depanx

d\_depanx~~ e\_depanx

**#Dual-domain model**

Ip =~ 1\*a\_pornuse + 1\*b\_pornuse + 1\*c\_pornuse + 1\*d\_pornuse + 1\*e\_pornuse

Sp =~ 0\*a\_pornuse + 1\*b\_pornuse + 2\*c\_pornuse + 3\*d\_pornuse + 4\*e\_pornuse

Ida =~ 1\*a\_depanx + 1\*b\_depanx + 1\*c\_depanx + 1\*d\_depanx + 1\*e\_depanx

Sda=~ 0\*a\_depanx + 1\*b\_depanx + 2\*c\_depanx + 3\*d\_depanx + 4\*e\_depanx

Ip~~Ida + Sda

Sp~~Ida + Sda

**#Conditional dual-domain model**

Ip =~ 1\*a\_pornuse + 1\*b\_pornuse + 1\*c\_pornuse + 1\*d\_pornuse + 1\*e\_pornuse

Sp =~ 0\*a\_pornuse + 1\*b\_pornuse + 2\*c\_pornuse + 3\*d\_pornuse + 4\*e\_pornuse

Ida =~ 1\*a\_depanx + 1\*b\_depanx + 1\*c\_depanx + 1\*d\_depanx + 1\*e\_depanx

Sda=~ 0\*a\_depanx + 1\*b\_depanx + 2\*c\_depanx + 3\*d\_depanx + 4\*e\_depanx

Ip~~Ida + Sda

Sp~~Ida + Sda

Ip~Gender

Sp~Gender

Ida~Gender

Sda~Gender