Avaliação - MEE

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Em dados\_moda\_sustentavel.csv encontram-se os resultados da aplicação de um questionário sobre a opinião de 260 pessoas acerca da moda sustentável em 35 questões. Além disso, também foram coletadas variáveis de controle como idade, gênero, escolaridade e renda.

Acredita-se que algumas questões estão associadas a variáveis latentes dadas abaixo:

Conhecimento de moda sustentável: questões 6, 7 e 8; Confiança no mercado de moda atual: questões 9, 10 e 11; Apoio a causas ambientais e animais: questões 12, 13, 14 e 15; Apoio a causas sociais: questões 16, 17 e 18; Realce do status: questões 20, 21 e 22; Sacrifício pessoal: questões 23, 24 e 25; Percepção de eficácia: questões 26, 27 e 28; Consciência de preço: questões 29, 30 e 31; Resistência à mudança questões 32 33 e 34; Atitude questões 35 36 37 e 38; Intenção de compra questões 39 40 e 41.

O estudo consiste em avaliar a significância das variáveis na formação dos construtos e ainda verificar se:

A atitude depende de conhecimento, confiança, apoio a causas ambientes e animais, apoio a causas sociais, realce, consciência de preço, sacrifício pessoal, percepção de eficácia e resistência à mudança;

A intenção de compra depende da atitude, do gênero, da idade, da escolaridade e da renda

Observação: Re-categorize as variáveis de controle para melhor entendimento. As questões podem ser vistas no arquivo questoes\_moda\_sustentavel.doc

As quatro variáveis categóricas estão modificadas em variáveis discretas da seguinte forma:

Idade

1 - 17 a 20

2 - 21 a 24

3 - 25 a 30

4 - 31 a 35

5 - 36 ou mais

Gênero

0 – Feminino

1 - Masculino

Escolaridade

1 - Ensino fundamental

2 - Ensino médio incompleto

3 - Ensino médio complete

4 - Ensino superior incompleto 5 - Ensino superior completo 6 - Mestrado

Renda

1 - Até 4 salários mínimos (R$ 3.816)

2 - De 4 a 10 salários mínimos (R$ 3.816 a 9.540)

3 - De 10 a 20 salários mínimos (R$ 9.540 a 19.080)

4 - Mais de 20 salários mínimos (a cima de R$ 19.080)

A cada ajuste, procurou-se proceder com a remoção de parâmetros. Quando todos os parâmetros são considerados significantes, então o ajuste é realizado com o intuito de adicionar alguma relação anteriormente excluída; para isso, verifica-se os maiores índices de modificação de parâmetros não mais inclusos no modelo. E, seguindo a intenção do modelo a priori, a inclusão de parâmetros foi direcionado à composição e relação causal dos constructos.

Critério de remoção de parâmetro: Coeficiente de regressão ou carga de fator menos significante (maior p-valor) dentre os superiores a 0,1. Como trata-se de uma pesquisa social, tentou-se manter o modelo flexível, apontando apenas divergências mais críticas da hipótese inicial.

Critério de adição de parâmetro: Regressão que não cause recursividade ou redundância Composição por variável latente que não crie variáveis complexas Maior valor de índice de modificação, desde que superior a 3,84 (conforme recomendado)

Criando o banco de dados

library(readxl)  
setwd("D:/Documentos/Estatística/Aulas/2019-05-25 MEE/Avaliação")  
dados\_moda <- read\_excel("D:/Documentos/Estatística/Aulas/2019-05-25 MEE/Avaliação/moda\_rc.xlsx")  
View(dados\_moda)

Carregando pacotes:

library(lavaan)  
library(semPlot)

Especificação do modelo inicial:

mee\_moda0 <- 'conhecimento =~ Q6 + Q7 + Q8  
confianca =~ Q9 + Q10 + Q11  
apoio.ambiental.animal =~ Q12 + Q13 + Q14 + Q15  
apoio.social =~ Q16 + Q17 + Q18  
status =~ Q20 + Q21 + Q22  
sacrificio =~ Q23 + Q24 + Q25  
eficacia =~ Q26 + Q27 + Q28  
preço =~ Q29 + Q30 + Q31  
resistencia =~ Q32 + Q33 + Q34  
atitude =~ Q35 + Q36 + Q37 + Q38  
intençao.compra =~ Q39 + Q40 + Q41  
atitude ~ conhecimento + confianca + apoio.ambiental.animal + apoio.social + status + preço + sacrificio + eficacia + resistencia  
intençao.compra ~ atitude + GENERO + IDADE + ESCOLARIDADE + RENDA'

Identificação do modelo: 35 parâmetros das relações fatoriais 14 parâmetros das relações causais 55 covariâncias entre fatores 35 variâncias q = 139 p = 35(35+1)/2 = 630 O modelo é identificável.

Estimação do modelo inicial:

mfitmoda0 <- sem(mee\_moda0, data = dados\_moda, std.lv = TRUE)  
summary(mfitmoda0)

## lavaan 0.6-3 ended normally after 87 iterations  
##   
## Optimization method NLMINB  
## Number of free parameters 120  
##   
## Number of observations 260  
##   
## Estimator ML  
## Model Fit Test Statistic 1200.639  
## Degrees of freedom 650  
## P-value (Chi-square) 0.000  
##   
## Parameter Estimates:  
##   
## Information Expected  
## Information saturated (h1) model Structured  
## Standard Errors Standard  
##   
## Latent Variables:  
## Estimate Std.Err z-value P(>|z|)  
## conhecimento =~   
## Q6 0.807 0.074 10.931 0.000  
## Q7 0.985 0.070 14.030 0.000  
## Q8 0.984 0.092 10.673 0.000  
## confianca =~   
## Q9 0.409 0.062 6.565 0.000  
## Q10 0.581 0.085 6.866 0.000  
## Q11 0.383 0.070 5.472 0.000  
## apoio.ambiental.animal =~   
## Q12 0.580 0.068 8.582 0.000  
## Q13 0.817 0.072 11.299 0.000  
## Q14 0.477 0.070 6.812 0.000  
## Q15 0.779 0.079 9.857 0.000  
## apoio.social =~   
## Q16 0.683 0.059 11.613 0.000  
## Q17 0.802 0.064 12.488 0.000  
## Q18 0.606 0.077 7.922 0.000  
## status =~   
## Q20 0.653 0.064 10.212 0.000  
## Q21 0.803 0.069 11.694 0.000  
## Q22 0.789 0.063 12.464 0.000  
## sacrificio =~   
## Q23 0.103 0.053 1.949 0.051  
## Q24 0.824 0.062 13.362 0.000  
## Q25 0.819 0.060 13.765 0.000  
## eficacia =~   
## Q26 0.323 0.074 4.339 0.000  
## Q27 0.504 0.055 9.114 0.000  
## Q28 0.520 0.054 9.707 0.000  
## preço =~   
## Q29 0.024 0.066 0.370 0.711  
## Q30 0.845 0.067 12.659 0.000  
## Q31 0.710 0.067 10.640 0.000  
## resistencia =~   
## Q32 0.505 0.063 8.074 0.000  
## Q33 0.618 0.066 9.394 0.000  
## Q34 0.878 0.062 14.246 0.000  
## atitude =~   
## Q35 0.252 0.047 5.375 0.000  
## Q36 0.257 0.047 5.450 0.000  
## Q37 0.255 0.046 5.510 0.000  
## Q38 0.285 0.051 5.586 0.000  
## intençao.compra =~   
## Q39 0.525 0.048 11.016 0.000  
## Q40 0.520 0.044 11.707 0.000  
## Q41 0.415 0.041 10.190 0.000  
##   
## Regressions:  
## Estimate Std.Err z-value P(>|z|)  
## atitude ~   
## conhecimento 0.465 0.700 0.664 0.506  
## confianca -0.355 0.347 -1.022 0.307  
## apoi.mbntl.nml -0.170 1.712 -0.099 0.921  
## apoio.social 1.315 2.908 0.452 0.651  
## status -0.126 0.568 -0.222 0.824  
## preço 0.649 0.998 0.650 0.515  
## sacrificio -1.260 1.942 -0.649 0.516  
## eficacia 0.527 0.677 0.779 0.436  
## resistencia 1.001 0.618 1.621 0.105  
## intençao.compra ~   
## atitude 0.496 0.102 4.839 0.000  
## GENERO 0.300 0.223 1.344 0.179  
## IDADE 0.189 0.084 2.253 0.024  
## ESCOLARIDADE -0.030 0.121 -0.250 0.802  
## RENDA 0.129 0.074 1.744 0.081  
##   
## Covariances:  
## Estimate Std.Err z-value P(>|z|)  
## conhecimento ~~   
## confianca -0.197 0.093 -2.116 0.034  
## apoi.mbntl.nml 0.438 0.073 6.008 0.000  
## apoio.social 0.358 0.075 4.740 0.000  
## status 0.038 0.079 0.480 0.632  
## sacrificio 0.570 0.062 9.237 0.000  
## eficacia 0.183 0.088 2.086 0.037  
## preço 0.215 0.076 2.833 0.005  
## resistencia 0.442 0.069 6.365 0.000  
## confianca ~~   
## apoi.mbntl.nml -0.259 0.099 -2.622 0.009  
## apoio.social -0.320 0.096 -3.335 0.001  
## status 0.051 0.096 0.527 0.598  
## sacrificio -0.120 0.097 -1.246 0.213  
## eficacia 0.035 0.109 0.320 0.749  
## preço 0.177 0.094 1.877 0.061  
## resistencia -0.145 0.097 -1.501 0.133  
## apoio.ambiental.animal ~~   
## apoio.social 0.880 0.051 17.345 0.000  
## status 0.162 0.084 1.929 0.054  
## sacrificio 0.649 0.063 10.249 0.000  
## eficacia 0.376 0.089 4.218 0.000  
## preço 0.312 0.079 3.933 0.000  
## resistencia 0.629 0.066 9.587 0.000  
## apoio.social ~~   
## status 0.315 0.079 4.010 0.000  
## sacrificio 0.674 0.061 11.122 0.000  
## eficacia 0.509 0.082 6.177 0.000  
## preço 0.136 0.082 1.655 0.098  
## resistencia 0.672 0.062 10.842 0.000  
## status ~~   
## sacrificio -0.030 0.081 -0.367 0.713  
## eficacia 0.469 0.080 5.867 0.000  
## preço 0.022 0.080 0.277 0.781  
## resistencia 0.343 0.075 4.559 0.000  
## sacrificio ~~   
## eficacia 0.168 0.090 1.853 0.064  
## preço 0.561 0.064 8.701 0.000  
## resistencia 0.666 0.059 11.273 0.000  
## eficacia ~~   
## preço 0.102 0.090 1.138 0.255  
## resistencia 0.600 0.075 7.982 0.000  
## preço ~~   
## resistencia 0.450 0.071 6.366 0.000

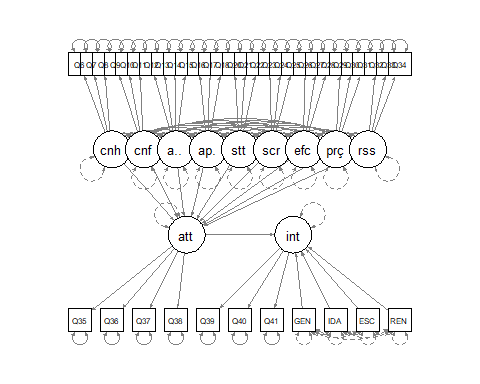
## Warning in abbreviate(NAMES, minlength = W, strict = TRUE): abbreaviate  
## usado com caracteres não-ASCII

##   
## Variances:  
## Estimate Std.Err z-value P(>|z|)  
## .Q6 0.789 0.088 8.922 0.000  
## .Q7 0.412 0.084 4.912 0.000  
## .Q8 1.265 0.139 9.128 0.000  
## .Q9 0.398 0.051 7.858 0.000  
## .Q10 0.673 0.094 7.189 0.000  
## .Q11 0.612 0.065 9.429 0.000  
## .Q12 0.786 0.077 10.183 0.000  
## .Q13 0.728 0.085 8.617 0.000  
## .Q14 0.913 0.085 10.707 0.000  
## .Q15 0.991 0.103 9.621 0.000  
## .Q16 0.516 0.056 9.236 0.000  
## .Q17 0.557 0.066 8.477 0.000  
## .Q18 1.108 0.104 10.690 0.000  
## .Q20 0.601 0.066 9.041 0.000  
## .Q21 0.570 0.076 7.465 0.000  
## .Q22 0.419 0.066 6.362 0.000  
## .Q23 0.604 0.053 11.364 0.000  
## .Q24 0.475 0.060 7.969 0.000  
## .Q25 0.413 0.056 7.440 0.000  
## .Q26 0.991 0.090 10.948 0.000  
## .Q27 0.406 0.048 8.492 0.000  
## .Q28 0.340 0.045 7.593 0.000  
## .Q29 0.910 0.080 11.400 0.000  
## .Q30 0.265 0.080 3.312 0.001  
## .Q31 0.527 0.071 7.404 0.000  
## .Q32 0.733 0.069 10.637 0.000  
## .Q33 0.761 0.074 10.286 0.000  
## .Q34 0.360 0.062 5.801 0.000  
## .Q35 0.362 0.036 10.180 0.000  
## .Q36 0.299 0.030 9.855 0.000  
## .Q37 0.232 0.025 9.437 0.000  
## .Q38 0.183 0.022 8.264 0.000  
## .Q39 0.483 0.057 8.541 0.000  
## .Q40 0.255 0.041 6.209 0.000  
## .Q41 0.435 0.046 9.469 0.000  
## conhecimento 1.000   
## confianca 1.000   
## apoi.mbntl.nml 1.000   
## apoio.social 1.000   
## status 1.000   
## sacrificio 1.000   
## eficacia 1.000   
## preço 1.000   
## resistencia 1.000   
## .atitude 1.000   
## .intençao.compr 1.000

Diagrama de caminhos:

semPaths(mfitmoda0)

## Warning in abbreviate(Labels, nCharNodes): abbreaviate usado com caracteres  
## não-ASCII



Avaliação do ajuste do modelo

summary(mfitmoda0, fit.measures = TRUE)

## lavaan 0.6-3 ended normally after 87 iterations  
##   
## Optimization method NLMINB  
## Number of free parameters 120  
##   
## Number of observations 260  
##   
## Estimator ML  
## Model Fit Test Statistic 1200.639  
## Degrees of freedom 650  
## P-value (Chi-square) 0.000  
##   
## Model test baseline model:  
##   
## Minimum Function Test Statistic 3945.233  
## Degrees of freedom 735  
## P-value 0.000  
##   
## User model versus baseline model:  
##   
## Comparative Fit Index (CFI) 0.828  
## Tucker-Lewis Index (TLI) 0.806  
##   
## Loglikelihood and Information Criteria:  
##   
## Loglikelihood user model (H0) -11474.094  
## Loglikelihood unrestricted model (H1) -10873.775  
##   
## Number of free parameters 120  
## Akaike (AIC) 23188.188  
## Bayesian (BIC) 23615.470  
## Sample-size adjusted Bayesian (BIC) 23235.023  
##   
## Root Mean Square Error of Approximation:  
##   
## RMSEA 0.057  
## 90 Percent Confidence Interval 0.052 0.062  
## P-value RMSEA <= 0.05 0.011  
##   
## Standardized Root Mean Square Residual:  
##   
## SRMR 0.088  
##   
## Parameter Estimates:  
##   
## Information Expected  
## Information saturated (h1) model Structured  
## Standard Errors Standard  
##   
## Latent Variables:  
## Estimate Std.Err z-value P(>|z|)  
## conhecimento =~   
## Q6 0.807 0.074 10.931 0.000  
## Q7 0.985 0.070 14.030 0.000  
## Q8 0.984 0.092 10.673 0.000  
## confianca =~   
## Q9 0.409 0.062 6.565 0.000  
## Q10 0.581 0.085 6.866 0.000  
## Q11 0.383 0.070 5.472 0.000  
## apoio.ambiental.animal =~   
## Q12 0.580 0.068 8.582 0.000  
## Q13 0.817 0.072 11.299 0.000  
## Q14 0.477 0.070 6.812 0.000  
## Q15 0.779 0.079 9.857 0.000  
## apoio.social =~   
## Q16 0.683 0.059 11.613 0.000  
## Q17 0.802 0.064 12.488 0.000  
## Q18 0.606 0.077 7.922 0.000  
## status =~   
## Q20 0.653 0.064 10.212 0.000  
## Q21 0.803 0.069 11.694 0.000  
## Q22 0.789 0.063 12.464 0.000  
## sacrificio =~   
## Q23 0.103 0.053 1.949 0.051  
## Q24 0.824 0.062 13.362 0.000  
## Q25 0.819 0.060 13.765 0.000  
## eficacia =~   
## Q26 0.323 0.074 4.339 0.000  
## Q27 0.504 0.055 9.114 0.000  
## Q28 0.520 0.054 9.707 0.000  
## preço =~   
## Q29 0.024 0.066 0.370 0.711  
## Q30 0.845 0.067 12.659 0.000  
## Q31 0.710 0.067 10.640 0.000  
## resistencia =~   
## Q32 0.505 0.063 8.074 0.000  
## Q33 0.618 0.066 9.394 0.000  
## Q34 0.878 0.062 14.246 0.000  
## atitude =~   
## Q35 0.252 0.047 5.375 0.000  
## Q36 0.257 0.047 5.450 0.000  
## Q37 0.255 0.046 5.510 0.000  
## Q38 0.285 0.051 5.586 0.000  
## intençao.compra =~   
## Q39 0.525 0.048 11.016 0.000  
## Q40 0.520 0.044 11.707 0.000  
## Q41 0.415 0.041 10.190 0.000  
##   
## Regressions:  
## Estimate Std.Err z-value P(>|z|)  
## atitude ~   
## conhecimento 0.465 0.700 0.664 0.506  
## confianca -0.355 0.347 -1.022 0.307  
## apoi.mbntl.nml -0.170 1.712 -0.099 0.921  
## apoio.social 1.315 2.908 0.452 0.651  
## status -0.126 0.568 -0.222 0.824  
## preço 0.649 0.998 0.650 0.515  
## sacrificio -1.260 1.942 -0.649 0.516  
## eficacia 0.527 0.677 0.779 0.436  
## resistencia 1.001 0.618 1.621 0.105  
## intençao.compra ~   
## atitude 0.496 0.102 4.839 0.000  
## GENERO 0.300 0.223 1.344 0.179  
## IDADE 0.189 0.084 2.253 0.024  
## ESCOLARIDADE -0.030 0.121 -0.250 0.802  
## RENDA 0.129 0.074 1.744 0.081  
##   
## Covariances:  
## Estimate Std.Err z-value P(>|z|)  
## conhecimento ~~   
## confianca -0.197 0.093 -2.116 0.034  
## apoi.mbntl.nml 0.438 0.073 6.008 0.000  
## apoio.social 0.358 0.075 4.740 0.000  
## status 0.038 0.079 0.480 0.632  
## sacrificio 0.570 0.062 9.237 0.000  
## eficacia 0.183 0.088 2.086 0.037  
## preço 0.215 0.076 2.833 0.005  
## resistencia 0.442 0.069 6.365 0.000  
## confianca ~~   
## apoi.mbntl.nml -0.259 0.099 -2.622 0.009  
## apoio.social -0.320 0.096 -3.335 0.001  
## status 0.051 0.096 0.527 0.598  
## sacrificio -0.120 0.097 -1.246 0.213  
## eficacia 0.035 0.109 0.320 0.749  
## preço 0.177 0.094 1.877 0.061  
## resistencia -0.145 0.097 -1.501 0.133  
## apoio.ambiental.animal ~~   
## apoio.social 0.880 0.051 17.345 0.000  
## status 0.162 0.084 1.929 0.054  
## sacrificio 0.649 0.063 10.249 0.000  
## eficacia 0.376 0.089 4.218 0.000  
## preço 0.312 0.079 3.933 0.000  
## resistencia 0.629 0.066 9.587 0.000  
## apoio.social ~~   
## status 0.315 0.079 4.010 0.000  
## sacrificio 0.674 0.061 11.122 0.000  
## eficacia 0.509 0.082 6.177 0.000  
## preço 0.136 0.082 1.655 0.098  
## resistencia 0.672 0.062 10.842 0.000  
## status ~~   
## sacrificio -0.030 0.081 -0.367 0.713  
## eficacia 0.469 0.080 5.867 0.000  
## preço 0.022 0.080 0.277 0.781  
## resistencia 0.343 0.075 4.559 0.000  
## sacrificio ~~   
## eficacia 0.168 0.090 1.853 0.064  
## preço 0.561 0.064 8.701 0.000  
## resistencia 0.666 0.059 11.273 0.000  
## eficacia ~~   
## preço 0.102 0.090 1.138 0.255  
## resistencia 0.600 0.075 7.982 0.000  
## preço ~~   
## resistencia 0.450 0.071 6.366 0.000

## Warning in abbreviate(NAMES, minlength = W, strict = TRUE): abbreaviate  
## usado com caracteres não-ASCII

##   
## Variances:  
## Estimate Std.Err z-value P(>|z|)  
## .Q6 0.789 0.088 8.922 0.000  
## .Q7 0.412 0.084 4.912 0.000  
## .Q8 1.265 0.139 9.128 0.000  
## .Q9 0.398 0.051 7.858 0.000  
## .Q10 0.673 0.094 7.189 0.000  
## .Q11 0.612 0.065 9.429 0.000  
## .Q12 0.786 0.077 10.183 0.000  
## .Q13 0.728 0.085 8.617 0.000  
## .Q14 0.913 0.085 10.707 0.000  
## .Q15 0.991 0.103 9.621 0.000  
## .Q16 0.516 0.056 9.236 0.000  
## .Q17 0.557 0.066 8.477 0.000  
## .Q18 1.108 0.104 10.690 0.000  
## .Q20 0.601 0.066 9.041 0.000  
## .Q21 0.570 0.076 7.465 0.000  
## .Q22 0.419 0.066 6.362 0.000  
## .Q23 0.604 0.053 11.364 0.000  
## .Q24 0.475 0.060 7.969 0.000  
## .Q25 0.413 0.056 7.440 0.000  
## .Q26 0.991 0.090 10.948 0.000  
## .Q27 0.406 0.048 8.492 0.000  
## .Q28 0.340 0.045 7.593 0.000  
## .Q29 0.910 0.080 11.400 0.000  
## .Q30 0.265 0.080 3.312 0.001  
## .Q31 0.527 0.071 7.404 0.000  
## .Q32 0.733 0.069 10.637 0.000  
## .Q33 0.761 0.074 10.286 0.000  
## .Q34 0.360 0.062 5.801 0.000  
## .Q35 0.362 0.036 10.180 0.000  
## .Q36 0.299 0.030 9.855 0.000  
## .Q37 0.232 0.025 9.437 0.000  
## .Q38 0.183 0.022 8.264 0.000  
## .Q39 0.483 0.057 8.541 0.000  
## .Q40 0.255 0.041 6.209 0.000  
## .Q41 0.435 0.046 9.469 0.000  
## conhecimento 1.000   
## confianca 1.000   
## apoi.mbntl.nml 1.000   
## apoio.social 1.000   
## status 1.000   
## sacrificio 1.000   
## eficacia 1.000   
## preço 1.000   
## resistencia 1.000   
## .atitude 1.000   
## .intençao.compr 1.000

P-value (Chi-square) = 0.000 Há discrepância entre as matrizes de covariância.

Índice de comparação de ajuste (CFI) = 0.828 Em comparação com um modelo nulo, o ajuste foi considerado bom.

Índice de Tucker Lewis (TLI) = 0.806 Atribuindo uma penalidade de acordo com os graus de liberdade do modelo, o ajuste ainda é considerado adequado.

Raiz do Erro Quadrático Médio de Aproximação = 0.057 P-value RMSEA <= 0.05 = 0.011 Observando a diferença média entre a covariância observada e a do modelo, o ajuste aproxima-se de estar plenamente adequado (<0,05)

Raiz quadrada média residual = 0.088 De acordo com a diferença padronizada entre a matriz de correlação observada e a matriz de correlação ajustada; os resíduos foram próximos dos esperados de um ajuste ideal.

Akaike (AIC) = 23188.188 Bayesian (BIC) = 23615.470 Os critérios Bayesiano e de Akaike serão utilizados como referência para observar a melhora nos próximos ajustes.

A cerca das significâncias dos parâmetros do caminhos estipulados, a questão 29 (“Eu não estou disposto a ter um esforço extra para continuar buscando uma camiseta com preço menor”) foi a única variável que não pode ser determinado pelo fator que o compõe (“Consciência de preço”). Quanto às regressões, apenas os coeficientes da variável observada “Idade” e da variável latente “Atitude” foram significantemente diferentes de zero, que determinaram a variável latente “Intenção de compra”; as demais relações de regressão não foram significantes.

O próximo modelo exclui o coeficiente de regressão de “Apoio a causas ambientais e animais” como causa da “Atitude” (p-valor = 0.921).

Especificação do modelo:

mee\_moda1 <- 'conhecimento =~ Q6 + Q7 + Q8  
confianca =~ Q9 + Q10 + Q11  
apoio.ambiental.animal =~ Q12 + Q13 + Q14 + Q15  
apoio.social =~ Q16 + Q17 + Q18  
status =~ Q20 + Q21 + Q22  
sacrificio =~ Q23 + Q24 + Q25  
eficacia =~ Q26 + Q27 + Q28  
preço =~ Q29 + Q30 + Q31  
resistencia =~ Q32 + Q33 + Q34  
atitude =~ Q35 + Q36 + Q37 + Q38  
intençao.compra =~ Q39 + Q40 + Q41  
atitude ~ conhecimento + confianca + apoio.social + status + preço + sacrificio + eficacia + resistencia  
intençao.compra ~ atitude + GENERO + IDADE + ESCOLARIDADE + RENDA'

Estimação do modelo

mfitmoda1 <- sem(mee\_moda1, data = dados\_moda, std.lv = TRUE)  
summary(mfitmoda1, fit.measures = TRUE)

## lavaan 0.6-3 ended normally after 75 iterations  
##   
## Optimization method NLMINB  
## Number of free parameters 119  
##   
## Number of observations 260  
##   
## Estimator ML  
## Model Fit Test Statistic 1200.651  
## Degrees of freedom 651  
## P-value (Chi-square) 0.000  
##   
## Model test baseline model:  
##   
## Minimum Function Test Statistic 3945.233  
## Degrees of freedom 735  
## P-value 0.000  
##   
## User model versus baseline model:  
##   
## Comparative Fit Index (CFI) 0.829  
## Tucker-Lewis Index (TLI) 0.807  
##   
## Loglikelihood and Information Criteria:  
##   
## Loglikelihood user model (H0) -11474.100  
## Loglikelihood unrestricted model (H1) -10873.775  
##   
## Number of free parameters 119  
## Akaike (AIC) 23186.201  
## Bayesian (BIC) 23609.922  
## Sample-size adjusted Bayesian (BIC) 23232.645  
##   
## Root Mean Square Error of Approximation:  
##   
## RMSEA 0.057  
## 90 Percent Confidence Interval 0.052 0.062  
## P-value RMSEA <= 0.05 0.012  
##   
## Standardized Root Mean Square Residual:  
##   
## SRMR 0.088  
##   
## Parameter Estimates:  
##   
## Information Expected  
## Information saturated (h1) model Structured  
## Standard Errors Standard  
##   
## Latent Variables:  
## Estimate Std.Err z-value P(>|z|)  
## conhecimento =~   
## Q6 0.807 0.074 10.931 0.000  
## Q7 0.985 0.070 14.030 0.000  
## Q8 0.984 0.092 10.673 0.000  
## confianca =~   
## Q9 0.409 0.062 6.567 0.000  
## Q10 0.581 0.085 6.867 0.000  
## Q11 0.383 0.070 5.470 0.000  
## apoio.ambiental.animal =~   
## Q12 0.580 0.068 8.583 0.000  
## Q13 0.817 0.072 11.301 0.000  
## Q14 0.476 0.070 6.809 0.000  
## Q15 0.779 0.079 9.857 0.000  
## apoio.social =~   
## Q16 0.683 0.058 11.688 0.000  
## Q17 0.803 0.064 12.616 0.000  
## Q18 0.607 0.076 7.943 0.000  
## status =~   
## Q20 0.653 0.064 10.212 0.000  
## Q21 0.803 0.069 11.694 0.000  
## Q22 0.789 0.063 12.464 0.000  
## sacrificio =~   
## Q23 0.103 0.053 1.949 0.051  
## Q24 0.824 0.062 13.372 0.000  
## Q25 0.820 0.059 13.793 0.000  
## eficacia =~   
## Q26 0.323 0.074 4.339 0.000  
## Q27 0.504 0.055 9.115 0.000  
## Q28 0.519 0.053 9.710 0.000  
## preço =~   
## Q29 0.024 0.066 0.371 0.711  
## Q30 0.845 0.067 12.671 0.000  
## Q31 0.710 0.067 10.638 0.000  
## resistencia =~   
## Q32 0.505 0.063 8.073 0.000  
## Q33 0.618 0.066 9.394 0.000  
## Q34 0.878 0.062 14.251 0.000  
## atitude =~   
## Q35 0.254 0.038 6.694 0.000  
## Q36 0.260 0.038 6.841 0.000  
## Q37 0.257 0.037 6.961 0.000  
## Q38 0.288 0.040 7.116 0.000  
## intençao.compra =~   
## Q39 0.525 0.048 11.018 0.000  
## Q40 0.521 0.044 11.709 0.000  
## Q41 0.415 0.041 10.191 0.000  
##   
## Regressions:  
## Estimate Std.Err z-value P(>|z|)  
## atitude ~   
## conhecimento 0.401 0.227 1.770 0.077  
## confianca -0.380 0.228 -1.668 0.095  
## apoio.social 1.033 0.464 2.226 0.026  
## status -0.075 0.204 -0.366 0.714  
## preço 0.556 0.287 1.940 0.052  
## sacrificio -1.082 0.627 -1.727 0.084  
## eficacia 0.584 0.346 1.687 0.092  
## resistencia 0.962 0.444 2.168 0.030  
## intençao.compra ~   
## atitude 0.501 0.087 5.736 0.000  
## GENERO 0.299 0.223 1.342 0.180  
## IDADE 0.189 0.084 2.252 0.024  
## ESCOLARIDADE -0.030 0.121 -0.249 0.803  
## RENDA 0.129 0.074 1.743 0.081  
##   
## Covariances:  
## Estimate Std.Err z-value P(>|z|)  
## conhecimento ~~   
## confianca -0.197 0.093 -2.117 0.034  
## apoi.mbntl.nml 0.438 0.073 6.007 0.000  
## apoio.social 0.358 0.075 4.741 0.000  
## status 0.038 0.079 0.479 0.632  
## sacrificio 0.570 0.062 9.245 0.000  
## eficacia 0.183 0.088 2.087 0.037  
## preço 0.215 0.076 2.833 0.005  
## resistencia 0.442 0.069 6.366 0.000  
## confianca ~~   
## apoi.mbntl.nml -0.259 0.099 -2.618 0.009  
## apoio.social -0.320 0.096 -3.337 0.001  
## status 0.051 0.096 0.528 0.597  
## sacrificio -0.120 0.097 -1.243 0.214  
## eficacia 0.035 0.109 0.322 0.748  
## preço 0.177 0.094 1.876 0.061  
## resistencia -0.145 0.097 -1.500 0.134  
## apoio.ambiental.animal ~~   
## apoio.social 0.878 0.049 18.065 0.000  
## status 0.162 0.084 1.930 0.054  
## sacrificio 0.649 0.063 10.272 0.000  
## eficacia 0.376 0.089 4.217 0.000  
## preço 0.312 0.079 3.933 0.000  
## resistencia 0.629 0.065 9.604 0.000  
## apoio.social ~~   
## status 0.315 0.078 4.012 0.000  
## sacrificio 0.672 0.059 11.476 0.000  
## eficacia 0.509 0.082 6.181 0.000  
## preço 0.137 0.082 1.660 0.097  
## resistencia 0.671 0.062 10.855 0.000  
## status ~~   
## sacrificio -0.030 0.081 -0.368 0.713  
## eficacia 0.469 0.080 5.867 0.000  
## preço 0.022 0.080 0.277 0.782  
## resistencia 0.343 0.075 4.558 0.000  
## sacrificio ~~   
## eficacia 0.168 0.090 1.852 0.064  
## preço 0.561 0.064 8.722 0.000  
## resistencia 0.665 0.059 11.297 0.000  
## eficacia ~~   
## preço 0.102 0.090 1.139 0.255  
## resistencia 0.600 0.075 7.981 0.000  
## preço ~~   
## resistencia 0.450 0.071 6.368 0.000

## Warning in abbreviate(NAMES, minlength = W, strict = TRUE): abbreaviate  
## usado com caracteres não-ASCII

##   
## Variances:  
## Estimate Std.Err z-value P(>|z|)  
## .Q6 0.789 0.088 8.920 0.000  
## .Q7 0.412 0.084 4.911 0.000  
## .Q8 1.264 0.139 9.127 0.000  
## .Q9 0.398 0.051 7.857 0.000  
## .Q10 0.674 0.094 7.193 0.000  
## .Q11 0.612 0.065 9.433 0.000  
## .Q12 0.785 0.077 10.183 0.000  
## .Q13 0.728 0.085 8.616 0.000  
## .Q14 0.914 0.085 10.708 0.000  
## .Q15 0.991 0.103 9.621 0.000  
## .Q16 0.515 0.055 9.335 0.000  
## .Q17 0.555 0.064 8.649 0.000  
## .Q18 1.107 0.104 10.696 0.000  
## .Q20 0.601 0.066 9.041 0.000  
## .Q21 0.570 0.076 7.465 0.000  
## .Q22 0.419 0.066 6.362 0.000  
## .Q23 0.604 0.053 11.364 0.000  
## .Q24 0.475 0.059 7.985 0.000  
## .Q25 0.412 0.055 7.451 0.000  
## .Q26 0.991 0.090 10.948 0.000  
## .Q27 0.406 0.048 8.500 0.000  
## .Q28 0.341 0.045 7.605 0.000  
## .Q29 0.910 0.080 11.400 0.000  
## .Q30 0.265 0.080 3.313 0.001  
## .Q31 0.527 0.071 7.400 0.000  
## .Q32 0.733 0.069 10.637 0.000  
## .Q33 0.761 0.074 10.285 0.000  
## .Q34 0.360 0.062 5.797 0.000  
## .Q35 0.362 0.036 10.180 0.000  
## .Q36 0.299 0.030 9.854 0.000  
## .Q37 0.232 0.025 9.438 0.000  
## .Q38 0.183 0.022 8.264 0.000  
## .Q39 0.483 0.057 8.541 0.000  
## .Q40 0.255 0.041 6.208 0.000  
## .Q41 0.435 0.046 9.470 0.000  
## conhecimento 1.000   
## confianca 1.000   
## apoi.mbntl.nml 1.000   
## apoio.social 1.000   
## status 1.000   
## sacrificio 1.000   
## eficacia 1.000   
## preço 1.000   
## resistencia 1.000   
## .atitude 1.000   
## .intençao.compr 1.000

De acordo com a significância do teste qui-quadrado, o índice de comparação de ajuste (CFI), o índice de Tucker Lewis (TLI), a raiz do erro quadrático médio de aproximação e a raiz quadrada média residual, não houve mudança relevante no segundo ajuste. Comparando com os critérios de Akaike e Bayesiano, houve uma melhora inexpressiva (redução dos critérios em 0,008% e 0,023%, respectivamente).

O próximo modelo exclui o coeficiente de regressão de “escolaridade” como causa da “intenção de compra” (p-valor = 0,803).

Especificação do modelo:

mee\_moda2 <- 'conhecimento =~ Q6 + Q7 + Q8  
confianca =~ Q9 + Q10 + Q11  
apoio.ambiental.animal =~ Q12 + Q13 + Q14 + Q15  
apoio.social =~ Q16 + Q17 + Q18  
status =~ Q20 + Q21 + Q22  
sacrificio =~ Q23 + Q24 + Q25  
eficacia =~ Q26 + Q27 + Q28  
preço =~ Q29 + Q30 + Q31  
resistencia =~ Q32 + Q33 + Q34  
atitude =~ Q35 + Q36 + Q37 + Q38  
intençao.compra =~ Q39 + Q40 + Q41  
atitude ~ conhecimento + confianca + apoio.social + status + preço + sacrificio + eficacia + resistencia  
intençao.compra ~ atitude + GENERO + IDADE + RENDA'

Estimação do modelo:

mfitmoda2 <- sem(mee\_moda2, data = dados\_moda, std.lv = TRUE)  
summary(mfitmoda2, fit.measures = TRUE)

## lavaan 0.6-3 ended normally after 74 iterations  
##   
## Optimization method NLMINB  
## Number of free parameters 118  
##   
## Number of observations 260  
##   
## Estimator ML  
## Model Fit Test Statistic 1167.277  
## Degrees of freedom 617  
## P-value (Chi-square) 0.000  
##   
## Model test baseline model:  
##   
## Minimum Function Test Statistic 3911.798  
## Degrees of freedom 700  
## P-value 0.000  
##   
## User model versus baseline model:  
##   
## Comparative Fit Index (CFI) 0.829  
## Tucker-Lewis Index (TLI) 0.806  
##   
## Loglikelihood and Information Criteria:  
##   
## Loglikelihood user model (H0) -11474.131  
## Loglikelihood unrestricted model (H1) -10890.492  
##   
## Number of free parameters 118  
## Akaike (AIC) 23184.262  
## Bayesian (BIC) 23604.422  
## Sample-size adjusted Bayesian (BIC) 23230.316  
##   
## Root Mean Square Error of Approximation:  
##   
## RMSEA 0.059  
## 90 Percent Confidence Interval 0.053 0.064  
## P-value RMSEA <= 0.05 0.003  
##   
## Standardized Root Mean Square Residual:  
##   
## SRMR 0.089  
##   
## Parameter Estimates:  
##   
## Information Expected  
## Information saturated (h1) model Structured  
## Standard Errors Standard  
##   
## Latent Variables:  
## Estimate Std.Err z-value P(>|z|)  
## conhecimento =~   
## Q6 0.807 0.074 10.931 0.000  
## Q7 0.985 0.070 14.029 0.000  
## Q8 0.984 0.092 10.673 0.000  
## confianca =~   
## Q9 0.409 0.062 6.568 0.000  
## Q10 0.581 0.085 6.866 0.000  
## Q11 0.383 0.070 5.471 0.000  
## apoio.ambiental.animal =~   
## Q12 0.580 0.068 8.583 0.000  
## Q13 0.817 0.072 11.300 0.000  
## Q14 0.476 0.070 6.810 0.000  
## Q15 0.779 0.079 9.858 0.000  
## apoio.social =~   
## Q16 0.683 0.058 11.688 0.000  
## Q17 0.803 0.064 12.615 0.000  
## Q18 0.607 0.076 7.943 0.000  
## status =~   
## Q20 0.653 0.064 10.212 0.000  
## Q21 0.803 0.069 11.695 0.000  
## Q22 0.789 0.063 12.463 0.000  
## sacrificio =~   
## Q23 0.103 0.053 1.948 0.051  
## Q24 0.824 0.062 13.372 0.000  
## Q25 0.820 0.059 13.792 0.000  
## eficacia =~   
## Q26 0.323 0.074 4.340 0.000  
## Q27 0.504 0.055 9.114 0.000  
## Q28 0.519 0.053 9.711 0.000  
## preço =~   
## Q29 0.024 0.066 0.371 0.711  
## Q30 0.845 0.067 12.672 0.000  
## Q31 0.710 0.067 10.638 0.000  
## resistencia =~   
## Q32 0.505 0.063 8.074 0.000  
## Q33 0.618 0.066 9.394 0.000  
## Q34 0.878 0.062 14.249 0.000  
## atitude =~   
## Q35 0.254 0.038 6.692 0.000  
## Q36 0.260 0.038 6.839 0.000  
## Q37 0.257 0.037 6.959 0.000  
## Q38 0.288 0.040 7.114 0.000  
## intençao.compra =~   
## Q39 0.525 0.048 11.016 0.000  
## Q40 0.520 0.044 11.706 0.000  
## Q41 0.415 0.041 10.192 0.000  
##   
## Regressions:  
## Estimate Std.Err z-value P(>|z|)  
## atitude ~   
## conhecimento 0.400 0.227 1.768 0.077  
## confianca -0.380 0.228 -1.669 0.095  
## apoio.social 1.033 0.464 2.227 0.026  
## status -0.074 0.204 -0.364 0.716  
## preço 0.557 0.287 1.942 0.052  
## sacrificio -1.081 0.627 -1.726 0.084  
## eficacia 0.585 0.346 1.690 0.091  
## resistencia 0.961 0.444 2.166 0.030  
## intençao.compra ~   
## atitude 0.501 0.087 5.736 0.000  
## GENERO 0.303 0.223 1.360 0.174  
## IDADE 0.179 0.075 2.404 0.016  
## RENDA 0.126 0.073 1.727 0.084  
##   
## Covariances:  
## Estimate Std.Err z-value P(>|z|)  
## conhecimento ~~   
## confianca -0.197 0.093 -2.117 0.034  
## apoi.mbntl.nml 0.438 0.073 6.007 0.000  
## apoio.social 0.358 0.075 4.741 0.000  
## status 0.038 0.079 0.479 0.632  
## sacrificio 0.570 0.062 9.245 0.000  
## eficacia 0.183 0.088 2.087 0.037  
## preço 0.215 0.076 2.833 0.005  
## resistencia 0.442 0.069 6.366 0.000  
## confianca ~~   
## apoi.mbntl.nml -0.259 0.099 -2.618 0.009  
## apoio.social -0.320 0.096 -3.337 0.001  
## status 0.051 0.096 0.528 0.598  
## sacrificio -0.120 0.097 -1.243 0.214  
## eficacia 0.035 0.109 0.321 0.748  
## preço 0.177 0.094 1.876 0.061  
## resistencia -0.145 0.097 -1.501 0.133  
## apoio.ambiental.animal ~~   
## apoio.social 0.878 0.049 18.067 0.000  
## status 0.162 0.084 1.930 0.054  
## sacrificio 0.649 0.063 10.271 0.000  
## eficacia 0.376 0.089 4.217 0.000  
## preço 0.312 0.079 3.932 0.000  
## resistencia 0.629 0.065 9.604 0.000  
## apoio.social ~~   
## status 0.315 0.078 4.012 0.000  
## sacrificio 0.672 0.059 11.477 0.000  
## eficacia 0.509 0.082 6.181 0.000  
## preço 0.137 0.082 1.660 0.097  
## resistencia 0.671 0.062 10.855 0.000  
## status ~~   
## sacrificio -0.030 0.081 -0.368 0.713  
## eficacia 0.469 0.080 5.867 0.000  
## preço 0.022 0.080 0.277 0.782  
## resistencia 0.343 0.075 4.558 0.000  
## sacrificio ~~   
## eficacia 0.168 0.090 1.852 0.064  
## preço 0.561 0.064 8.722 0.000  
## resistencia 0.666 0.059 11.298 0.000  
## eficacia ~~   
## preço 0.102 0.090 1.139 0.255  
## resistencia 0.600 0.075 7.982 0.000  
## preço ~~   
## resistencia 0.450 0.071 6.368 0.000

## Warning in abbreviate(NAMES, minlength = W, strict = TRUE): abbreaviate  
## usado com caracteres não-ASCII

##   
## Variances:  
## Estimate Std.Err z-value P(>|z|)  
## .Q6 0.789 0.088 8.920 0.000  
## .Q7 0.412 0.084 4.912 0.000  
## .Q8 1.264 0.139 9.127 0.000  
## .Q9 0.398 0.051 7.858 0.000  
## .Q10 0.674 0.094 7.194 0.000  
## .Q11 0.612 0.065 9.432 0.000  
## .Q12 0.785 0.077 10.183 0.000  
## .Q13 0.728 0.085 8.617 0.000  
## .Q14 0.913 0.085 10.708 0.000  
## .Q15 0.991 0.103 9.621 0.000  
## .Q16 0.515 0.055 9.336 0.000  
## .Q17 0.555 0.064 8.650 0.000  
## .Q18 1.107 0.104 10.696 0.000  
## .Q20 0.601 0.066 9.041 0.000  
## .Q21 0.570 0.076 7.465 0.000  
## .Q22 0.419 0.066 6.363 0.000  
## .Q23 0.604 0.053 11.364 0.000  
## .Q24 0.475 0.059 7.985 0.000  
## .Q25 0.412 0.055 7.451 0.000  
## .Q26 0.991 0.090 10.948 0.000  
## .Q27 0.407 0.048 8.502 0.000  
## .Q28 0.341 0.045 7.605 0.000  
## .Q29 0.910 0.080 11.400 0.000  
## .Q30 0.265 0.080 3.314 0.001  
## .Q31 0.527 0.071 7.400 0.000  
## .Q32 0.733 0.069 10.636 0.000  
## .Q33 0.761 0.074 10.285 0.000  
## .Q34 0.360 0.062 5.798 0.000  
## .Q35 0.362 0.036 10.180 0.000  
## .Q36 0.299 0.030 9.853 0.000  
## .Q37 0.232 0.025 9.438 0.000  
## .Q38 0.184 0.022 8.270 0.000  
## .Q39 0.483 0.057 8.542 0.000  
## .Q40 0.255 0.041 6.210 0.000  
## .Q41 0.435 0.046 9.469 0.000  
## conhecimento 1.000   
## confianca 1.000   
## apoi.mbntl.nml 1.000   
## apoio.social 1.000   
## status 1.000   
## sacrificio 1.000   
## eficacia 1.000   
## preço 1.000   
## resistencia 1.000   
## .atitude 1.000   
## .intençao.compr 1.000

As medidas de ajuste permanecem adequadas, exceto com relação às raízes quadradas médias de aproximação e residual, que passaram por pouco do limite aceitável Os critérios bayesiano e de Akaike receberam outra melhora modesta.

O próximo modelo exclui o coeficiente de regressão de “Realce do status” como causa da “Atitude” (p-valor = 0,716).

Especificação do modelo

mee\_moda3 <- 'conhecimento =~ Q6 + Q7 + Q8  
confianca =~ Q9 + Q10 + Q11  
apoio.ambiental.animal =~ Q12 + Q13 + Q14 + Q15  
apoio.social =~ Q16 + Q17 + Q18  
status =~ Q20 + Q21 + Q22  
sacrificio =~ Q23 + Q24 + Q25  
eficacia =~ Q26 + Q27 + Q28  
preço =~ Q29 + Q30 + Q31  
resistencia =~ Q32 + Q33 + Q34  
atitude =~ Q35 + Q36 + Q37 + Q38  
intençao.compra =~ Q39 + Q40 + Q41  
atitude ~ conhecimento + confianca + apoio.social + preço + sacrificio + eficacia + resistencia  
intençao.compra ~ atitude + GENERO + IDADE + RENDA'

Estimação do modelo:

mfitmoda3 <- sem(mee\_moda3, data = dados\_moda, std.lv = TRUE)  
summary(mfitmoda3, fit.measures = TRUE)

## lavaan 0.6-3 ended normally after 71 iterations  
##   
## Optimization method NLMINB  
## Number of free parameters 117  
##   
## Number of observations 260  
##   
## Estimator ML  
## Model Fit Test Statistic 1167.413  
## Degrees of freedom 618  
## P-value (Chi-square) 0.000  
##   
## Model test baseline model:  
##   
## Minimum Function Test Statistic 3911.798  
## Degrees of freedom 700  
## P-value 0.000  
##   
## User model versus baseline model:  
##   
## Comparative Fit Index (CFI) 0.829  
## Tucker-Lewis Index (TLI) 0.806  
##   
## Loglikelihood and Information Criteria:  
##   
## Loglikelihood user model (H0) -11474.199  
## Loglikelihood unrestricted model (H1) -10890.492  
##   
## Number of free parameters 117  
## Akaike (AIC) 23182.398  
## Bayesian (BIC) 23598.998  
## Sample-size adjusted Bayesian (BIC) 23228.062  
##   
## Root Mean Square Error of Approximation:  
##   
## RMSEA 0.058  
## 90 Percent Confidence Interval 0.053 0.064  
## P-value RMSEA <= 0.05 0.004  
##   
## Standardized Root Mean Square Residual:  
##   
## SRMR 0.089  
##   
## Parameter Estimates:  
##   
## Information Expected  
## Information saturated (h1) model Structured  
## Standard Errors Standard  
##   
## Latent Variables:  
## Estimate Std.Err z-value P(>|z|)  
## conhecimento =~   
## Q6 0.807 0.074 10.931 0.000  
## Q7 0.985 0.070 14.032 0.000  
## Q8 0.984 0.092 10.670 0.000  
## confianca =~   
## Q9 0.409 0.062 6.578 0.000  
## Q10 0.580 0.084 6.866 0.000  
## Q11 0.383 0.070 5.467 0.000  
## apoio.ambiental.animal =~   
## Q12 0.580 0.068 8.582 0.000  
## Q13 0.817 0.072 11.298 0.000  
## Q14 0.477 0.070 6.815 0.000  
## Q15 0.779 0.079 9.857 0.000  
## apoio.social =~   
## Q16 0.684 0.058 11.692 0.000  
## Q17 0.803 0.064 12.597 0.000  
## Q18 0.607 0.076 7.939 0.000  
## status =~   
## Q20 0.653 0.064 10.207 0.000  
## Q21 0.804 0.069 11.702 0.000  
## Q22 0.789 0.063 12.456 0.000  
## sacrificio =~   
## Q23 0.102 0.053 1.933 0.053  
## Q24 0.825 0.062 13.392 0.000  
## Q25 0.821 0.059 13.820 0.000  
## eficacia =~   
## Q26 0.326 0.074 4.373 0.000  
## Q27 0.505 0.055 9.128 0.000  
## Q28 0.518 0.053 9.681 0.000  
## preço =~   
## Q29 0.024 0.066 0.367 0.714  
## Q30 0.845 0.067 12.673 0.000  
## Q31 0.710 0.067 10.634 0.000  
## resistencia =~   
## Q32 0.506 0.063 8.087 0.000  
## Q33 0.617 0.066 9.371 0.000  
## Q34 0.881 0.061 14.318 0.000  
## atitude =~   
## Q35 0.258 0.036 7.120 0.000  
## Q36 0.264 0.036 7.299 0.000  
## Q37 0.261 0.035 7.442 0.000  
## Q38 0.292 0.038 7.636 0.000  
## intençao.compra =~   
## Q39 0.525 0.048 11.016 0.000  
## Q40 0.520 0.044 11.703 0.000  
## Q41 0.415 0.041 10.189 0.000  
##   
## Regressions:  
## Estimate Std.Err z-value P(>|z|)  
## atitude ~   
## conhecimento 0.372 0.202 1.839 0.066  
## confianca -0.400 0.216 -1.848 0.065  
## apoio.social 0.946 0.374 2.531 0.011  
## preço 0.525 0.257 2.045 0.041  
## sacrificio -0.948 0.477 -1.989 0.047  
## eficacia 0.598 0.336 1.781 0.075  
## resistencia 0.889 0.383 2.320 0.020  
## intençao.compra ~   
## atitude 0.509 0.085 5.999 0.000  
## GENERO 0.302 0.223 1.356 0.175  
## IDADE 0.180 0.075 2.411 0.016  
## RENDA 0.125 0.073 1.719 0.086  
##   
## Covariances:  
## Estimate Std.Err z-value P(>|z|)  
## conhecimento ~~   
## confianca -0.197 0.093 -2.116 0.034  
## apoi.mbntl.nml 0.439 0.073 6.015 0.000  
## apoio.social 0.358 0.075 4.741 0.000  
## status 0.037 0.079 0.466 0.641  
## sacrificio 0.569 0.062 9.241 0.000  
## eficacia 0.185 0.088 2.111 0.035  
## preço 0.215 0.076 2.832 0.005  
## resistencia 0.441 0.069 6.365 0.000  
## confianca ~~   
## apoi.mbntl.nml -0.260 0.099 -2.638 0.008  
## apoio.social -0.320 0.096 -3.333 0.001  
## status 0.054 0.096 0.568 0.570  
## sacrificio -0.120 0.097 -1.239 0.215  
## eficacia 0.035 0.109 0.317 0.751  
## preço 0.177 0.094 1.878 0.060  
## resistencia -0.146 0.097 -1.506 0.132  
## apoio.ambiental.animal ~~   
## apoio.social 0.880 0.048 18.173 0.000  
## status 0.162 0.084 1.928 0.054  
## sacrificio 0.647 0.063 10.267 0.000  
## eficacia 0.379 0.089 4.263 0.000  
## preço 0.312 0.079 3.942 0.000  
## resistencia 0.629 0.065 9.643 0.000  
## apoio.social ~~   
## status 0.311 0.078 3.994 0.000  
## sacrificio 0.671 0.059 11.426 0.000  
## eficacia 0.511 0.082 6.211 0.000  
## preço 0.136 0.082 1.657 0.097  
## resistencia 0.671 0.062 10.865 0.000  
## status ~~   
## sacrificio -0.027 0.081 -0.332 0.740  
## eficacia 0.464 0.079 5.857 0.000  
## preço 0.021 0.080 0.259 0.795  
## resistencia 0.338 0.075 4.537 0.000  
## sacrificio ~~   
## eficacia 0.168 0.090 1.857 0.063  
## preço 0.560 0.064 8.712 0.000  
## resistencia 0.662 0.059 11.309 0.000  
## eficacia ~~   
## preço 0.103 0.090 1.144 0.253  
## resistencia 0.601 0.075 8.006 0.000  
## preço ~~   
## resistencia 0.448 0.071 6.356 0.000

## Warning in abbreviate(NAMES, minlength = W, strict = TRUE): abbreaviate  
## usado com caracteres não-ASCII

##   
## Variances:  
## Estimate Std.Err z-value P(>|z|)  
## .Q6 0.789 0.088 8.920 0.000  
## .Q7 0.412 0.084 4.907 0.000  
## .Q8 1.265 0.139 9.129 0.000  
## .Q9 0.398 0.051 7.860 0.000  
## .Q10 0.675 0.093 7.226 0.000  
## .Q11 0.613 0.065 9.442 0.000  
## .Q12 0.786 0.077 10.184 0.000  
## .Q13 0.728 0.085 8.618 0.000  
## .Q14 0.913 0.085 10.707 0.000  
## .Q15 0.991 0.103 9.621 0.000  
## .Q16 0.515 0.055 9.321 0.000  
## .Q17 0.556 0.064 8.643 0.000  
## .Q18 1.107 0.104 10.696 0.000  
## .Q20 0.601 0.066 9.043 0.000  
## .Q21 0.569 0.076 7.451 0.000  
## .Q22 0.420 0.066 6.369 0.000  
## .Q23 0.604 0.053 11.364 0.000  
## .Q24 0.473 0.059 7.964 0.000  
## .Q25 0.411 0.055 7.432 0.000  
## .Q26 0.989 0.090 10.939 0.000  
## .Q27 0.405 0.048 8.473 0.000  
## .Q28 0.342 0.045 7.647 0.000  
## .Q29 0.910 0.080 11.400 0.000  
## .Q30 0.265 0.080 3.305 0.001  
## .Q31 0.528 0.071 7.404 0.000  
## .Q32 0.732 0.069 10.632 0.000  
## .Q33 0.762 0.074 10.290 0.000  
## .Q34 0.355 0.062 5.730 0.000  
## .Q35 0.362 0.036 10.178 0.000  
## .Q36 0.299 0.030 9.849 0.000  
## .Q37 0.233 0.025 9.444 0.000  
## .Q38 0.183 0.022 8.267 0.000  
## .Q39 0.483 0.057 8.540 0.000  
## .Q40 0.255 0.041 6.213 0.000  
## .Q41 0.435 0.046 9.470 0.000  
## conhecimento 1.000   
## confianca 1.000   
## apoi.mbntl.nml 1.000   
## apoio.social 1.000   
## status 1.000   
## sacrificio 1.000   
## eficacia 1.000   
## preço 1.000   
## resistencia 1.000   
## .atitude 1.000   
## .intençao.compr 1.000

As medidas da qualidade do ajuste permanecem sem alterações consideráveis em relação ao ajuste anterior. Os critérios bayesiano e de Akaike mantém a mesma redução modesta.

O próximo modelo exclui o coeficiente de regressão de “Gênero” como causa da “Intenção de compra” (p-valor = 0,175).

Especificação do modelo

mee\_moda4 <- 'conhecimento =~ Q6 + Q7 + Q8  
confianca =~ Q9 + Q10 + Q11  
apoio.ambiental.animal =~ Q12 + Q13 + Q14 + Q15  
apoio.social =~ Q16 + Q17 + Q18  
status =~ Q20 + Q21 + Q22  
sacrificio =~ Q23 + Q24 + Q25  
eficacia =~ Q26 + Q27 + Q28  
preço =~ Q29 + Q30 + Q31  
resistencia =~ Q32 + Q33 + Q34  
atitude =~ Q35 + Q36 + Q37 + Q38  
intençao.compra =~ Q39 + Q40 + Q41  
atitude ~ conhecimento + confianca + apoio.social + preço + sacrificio + eficacia + resistencia  
intençao.compra ~ atitude + IDADE + RENDA'

Estimação do modelo

mfitmoda4 <- sem(mee\_moda4, data = dados\_moda, std.lv = TRUE)  
summary(mfitmoda4, fit.measures = TRUE)

## lavaan 0.6-3 ended normally after 68 iterations  
##   
## Optimization method NLMINB  
## Number of free parameters 116  
##   
## Number of observations 260  
##   
## Estimator ML  
## Model Fit Test Statistic 1100.890  
## Degrees of freedom 584  
## P-value (Chi-square) 0.000  
##   
## Model test baseline model:  
##   
## Minimum Function Test Statistic 3843.522  
## Degrees of freedom 665  
## P-value 0.000  
##   
## User model versus baseline model:  
##   
## Comparative Fit Index (CFI) 0.837  
## Tucker-Lewis Index (TLI) 0.815  
##   
## Loglikelihood and Information Criteria:  
##   
## Loglikelihood user model (H0) -11475.075  
## Loglikelihood unrestricted model (H1) -10924.630  
##   
## Number of free parameters 116  
## Akaike (AIC) 23182.150  
## Bayesian (BIC) 23595.189  
## Sample-size adjusted Bayesian (BIC) 23227.424  
##   
## Root Mean Square Error of Approximation:  
##   
## RMSEA 0.058  
## 90 Percent Confidence Interval 0.053 0.064  
## P-value RMSEA <= 0.05 0.005  
##   
## Standardized Root Mean Square Residual:  
##   
## SRMR 0.086  
##   
## Parameter Estimates:  
##   
## Information Expected  
## Information saturated (h1) model Structured  
## Standard Errors Standard  
##   
## Latent Variables:  
## Estimate Std.Err z-value P(>|z|)  
## conhecimento =~   
## Q6 0.807 0.074 10.930 0.000  
## Q7 0.985 0.070 14.032 0.000  
## Q8 0.984 0.092 10.669 0.000  
## confianca =~   
## Q9 0.408 0.062 6.564 0.000  
## Q10 0.580 0.085 6.862 0.000  
## Q11 0.383 0.070 5.467 0.000  
## apoio.ambiental.animal =~   
## Q12 0.580 0.068 8.583 0.000  
## Q13 0.817 0.072 11.302 0.000  
## Q14 0.477 0.070 6.815 0.000  
## Q15 0.778 0.079 9.851 0.000  
## apoio.social =~   
## Q16 0.684 0.058 11.689 0.000  
## Q17 0.803 0.064 12.593 0.000  
## Q18 0.607 0.076 7.940 0.000  
## status =~   
## Q20 0.653 0.064 10.206 0.000  
## Q21 0.804 0.069 11.701 0.000  
## Q22 0.789 0.063 12.460 0.000  
## sacrificio =~   
## Q23 0.102 0.053 1.933 0.053  
## Q24 0.825 0.062 13.393 0.000  
## Q25 0.820 0.059 13.816 0.000  
## eficacia =~   
## Q26 0.325 0.074 4.372 0.000  
## Q27 0.505 0.055 9.130 0.000  
## Q28 0.518 0.053 9.683 0.000  
## preço =~   
## Q29 0.024 0.066 0.367 0.714  
## Q30 0.845 0.067 12.669 0.000  
## Q31 0.710 0.067 10.629 0.000  
## resistencia =~   
## Q32 0.506 0.063 8.083 0.000  
## Q33 0.616 0.066 9.363 0.000  
## Q34 0.881 0.062 14.327 0.000  
## atitude =~   
## Q35 0.260 0.036 7.184 0.000  
## Q36 0.265 0.036 7.363 0.000  
## Q37 0.263 0.035 7.509 0.000  
## Q38 0.294 0.038 7.711 0.000  
## intençao.compra =~   
## Q39 0.531 0.048 11.071 0.000  
## Q40 0.525 0.045 11.771 0.000  
## Q41 0.418 0.041 10.175 0.000  
##   
## Regressions:  
## Estimate Std.Err z-value P(>|z|)  
## atitude ~   
## conhecimento 0.368 0.201 1.832 0.067  
## confianca -0.391 0.214 -1.824 0.068  
## apoio.social 0.938 0.371 2.528 0.011  
## preço 0.517 0.255 2.031 0.042  
## sacrificio -0.939 0.473 -1.985 0.047  
## eficacia 0.600 0.334 1.799 0.072  
## resistencia 0.877 0.379 2.314 0.021  
## intençao.compra ~   
## atitude 0.496 0.082 6.024 0.000  
## IDADE 0.171 0.074 2.315 0.021  
## RENDA 0.129 0.072 1.783 0.075  
##   
## Covariances:  
## Estimate Std.Err z-value P(>|z|)  
## conhecimento ~~   
## confianca -0.197 0.093 -2.116 0.034  
## apoi.mbntl.nml 0.439 0.073 6.017 0.000  
## apoio.social 0.358 0.075 4.741 0.000  
## status 0.037 0.079 0.467 0.640  
## sacrificio 0.569 0.062 9.242 0.000  
## eficacia 0.185 0.088 2.111 0.035  
## preço 0.215 0.076 2.832 0.005  
## resistencia 0.441 0.069 6.365 0.000  
## confianca ~~   
## apoi.mbntl.nml -0.260 0.099 -2.639 0.008  
## apoio.social -0.320 0.096 -3.334 0.001  
## status 0.054 0.096 0.566 0.571  
## sacrificio -0.120 0.097 -1.241 0.215  
## eficacia 0.035 0.109 0.317 0.751  
## preço 0.177 0.094 1.878 0.060  
## resistencia -0.145 0.097 -1.506 0.132  
## apoio.ambiental.animal ~~   
## apoio.social 0.880 0.048 18.170 0.000  
## status 0.161 0.084 1.928 0.054  
## sacrificio 0.647 0.063 10.270 0.000  
## eficacia 0.379 0.089 4.261 0.000  
## preço 0.312 0.079 3.944 0.000  
## resistencia 0.629 0.065 9.645 0.000  
## apoio.social ~~   
## status 0.311 0.078 3.997 0.000  
## sacrificio 0.671 0.059 11.433 0.000  
## eficacia 0.511 0.082 6.210 0.000  
## preço 0.136 0.082 1.657 0.098  
## resistencia 0.671 0.062 10.864 0.000  
## status ~~   
## sacrificio -0.027 0.081 -0.333 0.739  
## eficacia 0.464 0.079 5.862 0.000  
## preço 0.021 0.080 0.261 0.794  
## resistencia 0.338 0.075 4.537 0.000  
## sacrificio ~~   
## eficacia 0.168 0.090 1.857 0.063  
## preço 0.560 0.064 8.711 0.000  
## resistencia 0.662 0.059 11.307 0.000  
## eficacia ~~   
## preço 0.103 0.090 1.144 0.253  
## resistencia 0.600 0.075 8.000 0.000  
## preço ~~   
## resistencia 0.448 0.071 6.353 0.000

## Warning in abbreviate(NAMES, minlength = W, strict = TRUE): abbreaviate  
## usado com caracteres não-ASCII

##   
## Variances:  
## Estimate Std.Err z-value P(>|z|)  
## .Q6 0.789 0.088 8.920 0.000  
## .Q7 0.412 0.084 4.906 0.000  
## .Q8 1.265 0.139 9.129 0.000  
## .Q9 0.398 0.051 7.863 0.000  
## .Q10 0.674 0.094 7.206 0.000  
## .Q11 0.612 0.065 9.433 0.000  
## .Q12 0.785 0.077 10.183 0.000  
## .Q13 0.728 0.085 8.614 0.000  
## .Q14 0.913 0.085 10.707 0.000  
## .Q15 0.992 0.103 9.624 0.000  
## .Q16 0.515 0.055 9.322 0.000  
## .Q17 0.556 0.064 8.645 0.000  
## .Q18 1.107 0.104 10.696 0.000  
## .Q20 0.601 0.066 9.045 0.000  
## .Q21 0.569 0.076 7.454 0.000  
## .Q22 0.420 0.066 6.365 0.000  
## .Q23 0.604 0.053 11.364 0.000  
## .Q24 0.473 0.059 7.964 0.000  
## .Q25 0.411 0.055 7.438 0.000  
## .Q26 0.989 0.090 10.939 0.000  
## .Q27 0.405 0.048 8.473 0.000  
## .Q28 0.342 0.045 7.649 0.000  
## .Q29 0.910 0.080 11.400 0.000  
## .Q30 0.265 0.080 3.299 0.001  
## .Q31 0.528 0.071 7.404 0.000  
## .Q32 0.732 0.069 10.632 0.000  
## .Q33 0.762 0.074 10.291 0.000  
## .Q34 0.354 0.062 5.703 0.000  
## .Q35 0.360 0.035 10.163 0.000  
## .Q36 0.298 0.030 9.839 0.000  
## .Q37 0.233 0.025 9.433 0.000  
## .Q38 0.183 0.022 8.228 0.000  
## .Q39 0.480 0.057 8.476 0.000  
## .Q40 0.256 0.041 6.186 0.000  
## .Q41 0.437 0.046 9.469 0.000  
## conhecimento 1.000   
## confianca 1.000   
## apoi.mbntl.nml 1.000   
## apoio.social 1.000   
## status 1.000   
## sacrificio 1.000   
## eficacia 1.000   
## preço 1.000   
## resistencia 1.000   
## .atitude 1.000   
## .intençao.compr 1.000

Dentre os coeficientes de regressão, os que poderiam ser tidos como não significantes foram os correspondentes a “conhecimento de moda sustentável”, “confiança no mercado de moda atual” e “Percepção de eficácia” como causas da “atitude”, e “renda” como causa da “intenção de compra”. Mas, como seus respectivos p-valores foram próximos de 0,05 (comumente tido como linha divisória da significância), serão mantidos nesta etapa.

O próximo modelo exclui a única carga não significante do modelo: a questão 29, “Eu não estou disposto a ter um esforço extra para continuar buscando uma camiseta com preço menor”, como sendo comporta pelo construto “Consciência de preço” (p-valor = 0,714).

Especificação do modelo:

mee\_moda5 <- 'conhecimento =~ Q6 + Q7 + Q8  
confianca =~ Q9 + Q10 + Q11  
apoio.ambiental.animal =~ Q12 + Q13 + Q14 + Q15  
apoio.social =~ Q16 + Q17 + Q18  
status =~ Q20 + Q21 + Q22  
sacrificio =~ Q23 + Q24 + Q25  
eficacia =~ Q26 + Q27 + Q28  
preço =~ Q30 + Q31  
resistencia =~ Q32 + Q33 + Q34  
atitude =~ Q35 + Q36 + Q37 + Q38  
intençao.compra =~ Q39 + Q40 + Q41  
atitude ~ conhecimento + confianca + apoio.social + preço + sacrificio + eficacia + resistencia  
intençao.compra ~ atitude + IDADE + RENDA'

Estimação do modelo:

mfitmoda5 <- sem(mee\_moda5, data = dados\_moda, std.lv = TRUE)  
summary(mfitmoda5, fit.measures = TRUE)

## lavaan 0.6-3 ended normally after 67 iterations  
##   
## Optimization method NLMINB  
## Number of free parameters 114  
##   
## Number of observations 260  
##   
## Estimator ML  
## Model Fit Test Statistic 1060.095  
## Degrees of freedom 549  
## P-value (Chi-square) 0.000  
##   
## Model test baseline model:  
##   
## Minimum Function Test Statistic 3802.594  
## Degrees of freedom 629  
## P-value 0.000  
##   
## User model versus baseline model:  
##   
## Comparative Fit Index (CFI) 0.839  
## Tucker-Lewis Index (TLI) 0.815  
##   
## Loglikelihood and Information Criteria:  
##   
## Loglikelihood user model (H0) -11118.393  
## Loglikelihood unrestricted model (H1) -10588.346  
##   
## Number of free parameters 114  
## Akaike (AIC) 22464.787  
## Bayesian (BIC) 22870.705  
## Sample-size adjusted Bayesian (BIC) 22509.280  
##   
## Root Mean Square Error of Approximation:  
##   
## RMSEA 0.060  
## 90 Percent Confidence Interval 0.054 0.065  
## P-value RMSEA <= 0.05 0.002  
##   
## Standardized Root Mean Square Residual:  
##   
## SRMR 0.087  
##   
## Parameter Estimates:  
##   
## Information Expected  
## Information saturated (h1) model Structured  
## Standard Errors Standard  
##   
## Latent Variables:  
## Estimate Std.Err z-value P(>|z|)  
## conhecimento =~   
## Q6 0.807 0.074 10.931 0.000  
## Q7 0.985 0.070 14.032 0.000  
## Q8 0.984 0.092 10.669 0.000  
## confianca =~   
## Q9 0.408 0.062 6.567 0.000  
## Q10 0.580 0.085 6.863 0.000  
## Q11 0.383 0.070 5.467 0.000  
## apoio.ambiental.animal =~   
## Q12 0.580 0.068 8.582 0.000  
## Q13 0.818 0.072 11.304 0.000  
## Q14 0.477 0.070 6.814 0.000  
## Q15 0.778 0.079 9.852 0.000  
## apoio.social =~   
## Q16 0.683 0.058 11.687 0.000  
## Q17 0.803 0.064 12.595 0.000  
## Q18 0.607 0.076 7.940 0.000  
## status =~   
## Q20 0.653 0.064 10.206 0.000  
## Q21 0.804 0.069 11.701 0.000  
## Q22 0.789 0.063 12.460 0.000  
## sacrificio =~   
## Q23 0.102 0.053 1.934 0.053  
## Q24 0.825 0.062 13.393 0.000  
## Q25 0.820 0.059 13.816 0.000  
## eficacia =~   
## Q26 0.325 0.074 4.371 0.000  
## Q27 0.505 0.055 9.131 0.000  
## Q28 0.518 0.053 9.684 0.000  
## preço =~   
## Q30 0.845 0.067 12.670 0.000  
## Q31 0.709 0.067 10.617 0.000  
## resistencia =~   
## Q32 0.505 0.063 8.081 0.000  
## Q33 0.616 0.066 9.365 0.000  
## Q34 0.881 0.062 14.329 0.000  
## atitude =~   
## Q35 0.260 0.036 7.186 0.000  
## Q36 0.266 0.036 7.365 0.000  
## Q37 0.263 0.035 7.511 0.000  
## Q38 0.295 0.038 7.713 0.000  
## intençao.compra =~   
## Q39 0.531 0.048 11.072 0.000  
## Q40 0.525 0.045 11.772 0.000  
## Q41 0.418 0.041 10.176 0.000  
##   
## Regressions:  
## Estimate Std.Err z-value P(>|z|)  
## atitude ~   
## conhecimento 0.368 0.201 1.832 0.067  
## confianca -0.392 0.214 -1.826 0.068  
## apoio.social 0.937 0.371 2.528 0.011  
## preço 0.517 0.255 2.026 0.043  
## sacrificio -0.938 0.473 -1.985 0.047  
## eficacia 0.601 0.333 1.801 0.072  
## resistencia 0.875 0.379 2.310 0.021  
## intençao.compra ~   
## atitude 0.496 0.082 6.025 0.000  
## IDADE 0.171 0.074 2.315 0.021  
## RENDA 0.129 0.072 1.783 0.075  
##   
## Covariances:  
## Estimate Std.Err z-value P(>|z|)  
## conhecimento ~~   
## confianca -0.197 0.093 -2.116 0.034  
## apoi.mbntl.nml 0.439 0.073 6.017 0.000  
## apoio.social 0.358 0.075 4.741 0.000  
## status 0.037 0.079 0.467 0.640  
## sacrificio 0.569 0.062 9.242 0.000  
## eficacia 0.185 0.088 2.110 0.035  
## preço 0.215 0.076 2.833 0.005  
## resistencia 0.441 0.069 6.365 0.000  
## confianca ~~   
## apoi.mbntl.nml -0.260 0.099 -2.639 0.008  
## apoio.social -0.320 0.096 -3.333 0.001  
## status 0.054 0.096 0.566 0.571  
## sacrificio -0.120 0.097 -1.240 0.215  
## eficacia 0.035 0.109 0.317 0.751  
## preço 0.178 0.094 1.886 0.059  
## resistencia -0.145 0.097 -1.505 0.132  
## apoio.ambiental.animal ~~   
## apoio.social 0.880 0.048 18.166 0.000  
## status 0.161 0.084 1.927 0.054  
## sacrificio 0.647 0.063 10.271 0.000  
## eficacia 0.379 0.089 4.260 0.000  
## preço 0.314 0.079 3.963 0.000  
## resistencia 0.629 0.065 9.644 0.000  
## apoio.social ~~   
## status 0.311 0.078 3.997 0.000  
## sacrificio 0.671 0.059 11.434 0.000  
## eficacia 0.511 0.082 6.209 0.000  
## preço 0.137 0.082 1.665 0.096  
## resistencia 0.671 0.062 10.864 0.000  
## status ~~   
## sacrificio -0.027 0.081 -0.333 0.739  
## eficacia 0.464 0.079 5.863 0.000  
## preço 0.021 0.080 0.261 0.794  
## resistencia 0.338 0.075 4.538 0.000  
## sacrificio ~~   
## eficacia 0.168 0.090 1.857 0.063  
## preço 0.560 0.064 8.724 0.000  
## resistencia 0.662 0.059 11.307 0.000  
## eficacia ~~   
## preço 0.103 0.090 1.148 0.251  
## resistencia 0.600 0.075 8.000 0.000  
## preço ~~   
## resistencia 0.449 0.070 6.376 0.000

## Warning in abbreviate(NAMES, minlength = W, strict = TRUE): abbreaviate  
## usado com caracteres não-ASCII

##   
## Variances:  
## Estimate Std.Err z-value P(>|z|)  
## .Q6 0.789 0.088 8.920 0.000  
## .Q7 0.412 0.084 4.906 0.000  
## .Q8 1.265 0.139 9.129 0.000  
## .Q9 0.398 0.051 7.862 0.000  
## .Q10 0.674 0.094 7.209 0.000  
## .Q11 0.612 0.065 9.435 0.000  
## .Q12 0.786 0.077 10.184 0.000  
## .Q13 0.728 0.084 8.614 0.000  
## .Q14 0.913 0.085 10.707 0.000  
## .Q15 0.992 0.103 9.625 0.000  
## .Q16 0.515 0.055 9.323 0.000  
## .Q17 0.556 0.064 8.643 0.000  
## .Q18 1.107 0.104 10.696 0.000  
## .Q20 0.601 0.066 9.045 0.000  
## .Q21 0.569 0.076 7.454 0.000  
## .Q22 0.420 0.066 6.365 0.000  
## .Q23 0.604 0.053 11.364 0.000  
## .Q24 0.473 0.059 7.964 0.000  
## .Q25 0.411 0.055 7.438 0.000  
## .Q26 0.989 0.090 10.940 0.000  
## .Q27 0.405 0.048 8.473 0.000  
## .Q28 0.342 0.045 7.648 0.000  
## .Q30 0.264 0.080 3.297 0.001  
## .Q31 0.529 0.071 7.425 0.000  
## .Q32 0.732 0.069 10.633 0.000  
## .Q33 0.762 0.074 10.291 0.000  
## .Q34 0.354 0.062 5.704 0.000  
## .Q35 0.360 0.035 10.163 0.000  
## .Q36 0.298 0.030 9.839 0.000  
## .Q37 0.233 0.025 9.433 0.000  
## .Q38 0.183 0.022 8.227 0.000  
## .Q39 0.480 0.057 8.476 0.000  
## .Q40 0.256 0.041 6.186 0.000  
## .Q41 0.437 0.046 9.469 0.000  
## conhecimento 1.000   
## confianca 1.000   
## apoi.mbntl.nml 1.000   
## apoio.social 1.000   
## status 1.000   
## sacrificio 1.000   
## eficacia 1.000   
## preço 1.000   
## resistencia 1.000   
## .atitude 1.000   
## .intençao.compr 1.000

Neste ajuste, os critérios de Akaike e bayesiano demonstraram melhora em dimensões maiores se comparadas às dos ajustes anteriores (redução de 3,09% e 3,07% dos critérios, respectivamente). Todos os parâmetros apresentaram significância compatível com os preceitos inicialmente estipulados.

Verificação de associações não determinadas no modelo:

View(as.data.frame(summary(mfitmoda5, modindices = TRUE)))

## lavaan 0.6-3 ended normally after 67 iterations  
##   
## Optimization method NLMINB  
## Number of free parameters 114  
##   
## Number of observations 260  
##   
## Estimator ML  
## Model Fit Test Statistic 1060.095  
## Degrees of freedom 549  
## P-value (Chi-square) 0.000  
##   
## Parameter Estimates:  
##   
## Information Expected  
## Information saturated (h1) model Structured  
## Standard Errors Standard  
##   
## Latent Variables:  
## Estimate Std.Err z-value P(>|z|)  
## conhecimento =~   
## Q6 0.807 0.074 10.931 0.000  
## Q7 0.985 0.070 14.032 0.000  
## Q8 0.984 0.092 10.669 0.000  
## confianca =~   
## Q9 0.408 0.062 6.567 0.000  
## Q10 0.580 0.085 6.863 0.000  
## Q11 0.383 0.070 5.467 0.000  
## apoio.ambiental.animal =~   
## Q12 0.580 0.068 8.582 0.000  
## Q13 0.818 0.072 11.304 0.000  
## Q14 0.477 0.070 6.814 0.000  
## Q15 0.778 0.079 9.852 0.000  
## apoio.social =~   
## Q16 0.683 0.058 11.687 0.000  
## Q17 0.803 0.064 12.595 0.000  
## Q18 0.607 0.076 7.940 0.000  
## status =~   
## Q20 0.653 0.064 10.206 0.000  
## Q21 0.804 0.069 11.701 0.000  
## Q22 0.789 0.063 12.460 0.000  
## sacrificio =~   
## Q23 0.102 0.053 1.934 0.053  
## Q24 0.825 0.062 13.393 0.000  
## Q25 0.820 0.059 13.816 0.000  
## eficacia =~   
## Q26 0.325 0.074 4.371 0.000  
## Q27 0.505 0.055 9.131 0.000  
## Q28 0.518 0.053 9.684 0.000  
## preço =~   
## Q30 0.845 0.067 12.670 0.000  
## Q31 0.709 0.067 10.617 0.000  
## resistencia =~   
## Q32 0.505 0.063 8.081 0.000  
## Q33 0.616 0.066 9.365 0.000  
## Q34 0.881 0.062 14.329 0.000  
## atitude =~   
## Q35 0.260 0.036 7.186 0.000  
## Q36 0.266 0.036 7.365 0.000  
## Q37 0.263 0.035 7.511 0.000  
## Q38 0.295 0.038 7.713 0.000  
## intençao.compra =~   
## Q39 0.531 0.048 11.072 0.000  
## Q40 0.525 0.045 11.772 0.000  
## Q41 0.418 0.041 10.176 0.000  
##   
## Regressions:  
## Estimate Std.Err z-value P(>|z|)  
## atitude ~   
## conhecimento 0.368 0.201 1.832 0.067  
## confianca -0.392 0.214 -1.826 0.068  
## apoio.social 0.937 0.371 2.528 0.011  
## preço 0.517 0.255 2.026 0.043  
## sacrificio -0.938 0.473 -1.985 0.047  
## eficacia 0.601 0.333 1.801 0.072  
## resistencia 0.875 0.379 2.310 0.021  
## intençao.compra ~   
## atitude 0.496 0.082 6.025 0.000  
## IDADE 0.171 0.074 2.315 0.021  
## RENDA 0.129 0.072 1.783 0.075  
##   
## Covariances:  
## Estimate Std.Err z-value P(>|z|)  
## conhecimento ~~   
## confianca -0.197 0.093 -2.116 0.034  
## apoi.mbntl.nml 0.439 0.073 6.017 0.000  
## apoio.social 0.358 0.075 4.741 0.000  
## status 0.037 0.079 0.467 0.640  
## sacrificio 0.569 0.062 9.242 0.000  
## eficacia 0.185 0.088 2.110 0.035  
## preço 0.215 0.076 2.833 0.005  
## resistencia 0.441 0.069 6.365 0.000  
## confianca ~~   
## apoi.mbntl.nml -0.260 0.099 -2.639 0.008  
## apoio.social -0.320 0.096 -3.333 0.001  
## status 0.054 0.096 0.566 0.571  
## sacrificio -0.120 0.097 -1.240 0.215  
## eficacia 0.035 0.109 0.317 0.751  
## preço 0.178 0.094 1.886 0.059  
## resistencia -0.145 0.097 -1.505 0.132  
## apoio.ambiental.animal ~~   
## apoio.social 0.880 0.048 18.166 0.000  
## status 0.161 0.084 1.927 0.054  
## sacrificio 0.647 0.063 10.271 0.000  
## eficacia 0.379 0.089 4.260 0.000  
## preço 0.314 0.079 3.963 0.000  
## resistencia 0.629 0.065 9.644 0.000  
## apoio.social ~~   
## status 0.311 0.078 3.997 0.000  
## sacrificio 0.671 0.059 11.434 0.000  
## eficacia 0.511 0.082 6.209 0.000  
## preço 0.137 0.082 1.665 0.096  
## resistencia 0.671 0.062 10.864 0.000  
## status ~~   
## sacrificio -0.027 0.081 -0.333 0.739  
## eficacia 0.464 0.079 5.863 0.000  
## preço 0.021 0.080 0.261 0.794  
## resistencia 0.338 0.075 4.538 0.000  
## sacrificio ~~   
## eficacia 0.168 0.090 1.857 0.063  
## preço 0.560 0.064 8.724 0.000  
## resistencia 0.662 0.059 11.307 0.000  
## eficacia ~~   
## preço 0.103 0.090 1.148 0.251  
## resistencia 0.600 0.075 8.000 0.000  
## preço ~~   
## resistencia 0.449 0.070 6.376 0.000

## Warning in abbreviate(NAMES, minlength = W, strict = TRUE): abbreaviate  
## usado com caracteres não-ASCII

##   
## Variances:  
## Estimate Std.Err z-value P(>|z|)  
## .Q6 0.789 0.088 8.920 0.000  
## .Q7 0.412 0.084 4.906 0.000  
## .Q8 1.265 0.139 9.129 0.000  
## .Q9 0.398 0.051 7.862 0.000  
## .Q10 0.674 0.094 7.209 0.000  
## .Q11 0.612 0.065 9.435 0.000  
## .Q12 0.786 0.077 10.184 0.000  
## .Q13 0.728 0.084 8.614 0.000  
## .Q14 0.913 0.085 10.707 0.000  
## .Q15 0.992 0.103 9.625 0.000  
## .Q16 0.515 0.055 9.323 0.000  
## .Q17 0.556 0.064 8.643 0.000  
## .Q18 1.107 0.104 10.696 0.000  
## .Q20 0.601 0.066 9.045 0.000  
## .Q21 0.569 0.076 7.454 0.000  
## .Q22 0.420 0.066 6.365 0.000  
## .Q23 0.604 0.053 11.364 0.000  
## .Q24 0.473 0.059 7.964 0.000  
## .Q25 0.411 0.055 7.438 0.000  
## .Q26 0.989 0.090 10.940 0.000  
## .Q27 0.405 0.048 8.473 0.000  
## .Q28 0.342 0.045 7.648 0.000  
## .Q30 0.264 0.080 3.297 0.001  
## .Q31 0.529 0.071 7.425 0.000  
## .Q32 0.732 0.069 10.633 0.000  
## .Q33 0.762 0.074 10.291 0.000  
## .Q34 0.354 0.062 5.704 0.000  
## .Q35 0.360 0.035 10.163 0.000  
## .Q36 0.298 0.030 9.839 0.000  
## .Q37 0.233 0.025 9.433 0.000  
## .Q38 0.183 0.022 8.227 0.000  
## .Q39 0.480 0.057 8.476 0.000  
## .Q40 0.256 0.041 6.186 0.000  
## .Q41 0.437 0.046 9.469 0.000  
## conhecimento 1.000   
## confianca 1.000   
## apoi.mbntl.nml 1.000   
## apoio.social 1.000   
## status 1.000   
## sacrificio 1.000   
## eficacia 1.000   
## preço 1.000   
## resistencia 1.000   
## .atitude 1.000   
## .intençao.compr 1.000   
##   
## Modification Indices:  
##   
## lhs op rhs mi epc sepc.lv  
## 129 conhecimento =~ Q9 0.068 0.015 0.015  
## 130 conhecimento =~ Q10 0.053 -0.018 -0.018  
## 131 conhecimento =~ Q11 0.001 -0.002 -0.002  
## 132 conhecimento =~ Q12 1.410 -0.096 -0.096  
## 133 conhecimento =~ Q13 10.104 0.292 0.292  
## 134 conhecimento =~ Q14 0.501 -0.058 -0.058  
## 135 conhecimento =~ Q15 3.727 -0.185 -0.185  
## 136 conhecimento =~ Q16 2.927 -0.121 -0.121  
## 137 conhecimento =~ Q17 0.000 0.001 0.001  
## 138 conhecimento =~ Q18 5.626 0.207 0.207  
## 139 conhecimento =~ Q20 0.000 0.000 0.000  
## 140 conhecimento =~ Q21 1.406 -0.076 -0.076  
## 141 conhecimento =~ Q22 1.265 0.067 0.067  
## 142 conhecimento =~ Q23 2.027 -0.100 -0.100  
## 143 conhecimento =~ Q24 0.131 0.032 0.032  
## 144 conhecimento =~ Q25 0.020 -0.012 -0.012  
## 145 conhecimento =~ Q26 42.348 0.476 0.476  
## 146 conhecimento =~ Q27 1.345 0.069 0.069  
## 147 conhecimento =~ Q28 20.282 -0.271 -0.271  
## 148 conhecimento =~ Q30 0.969 -0.076 -0.076  
## 149 conhecimento =~ Q31 0.969 0.063 0.063  
## 150 conhecimento =~ Q32 0.001 -0.002 -0.002  
## 151 conhecimento =~ Q33 0.108 -0.026 -0.026  
## 152 conhecimento =~ Q34 0.085 0.027 0.027  
## 153 conhecimento =~ Q35 0.896 0.047 0.047  
## 154 conhecimento =~ Q36 3.009 -0.080 -0.080  
## 155 conhecimento =~ Q37 0.017 0.005 0.005  
## 156 conhecimento =~ Q38 0.003 -0.002 -0.002  
## 157 conhecimento =~ Q39 0.917 0.055 0.055  
## 158 conhecimento =~ Q40 0.475 -0.033 -0.033  
## 159 conhecimento =~ Q41 0.995 0.052 0.052  
## 160 confianca =~ Q6 2.044 -0.120 -0.120  
## 161 confianca =~ Q7 0.312 0.048 0.048  
## 162 confianca =~ Q8 0.611 0.083 0.083  
## 163 confianca =~ Q12 1.308 0.098 0.098  
## 164 confianca =~ Q13 0.001 -0.003 -0.003  
## 165 confianca =~ Q14 3.448 -0.164 -0.164  
## 166 confianca =~ Q15 0.118 0.035 0.035  
## 167 confianca =~ Q16 1.492 -0.098 -0.098  
## 168 confianca =~ Q17 1.616 0.117 0.117  
## 169 confianca =~ Q18 0.015 -0.012 -0.012  
## 170 confianca =~ Q20 2.226 -0.105 -0.105  
## 171 confianca =~ Q21 0.178 0.032 0.032  
## 172 confianca =~ Q22 0.684 0.058 0.058  
## 173 confianca =~ Q23 0.398 0.040 0.040  
## 174 confianca =~ Q24 2.525 -0.123 -0.123  
## 175 confianca =~ Q25 2.230 0.115 0.115  
## 176 confianca =~ Q26 10.686 -0.273 -0.273  
## 177 confianca =~ Q27 0.016 -0.009 -0.009  
## 178 confianca =~ Q28 3.298 0.125 0.125  
## 179 confianca =~ Q30 1.038 -0.085 -0.085  
## 180 confianca =~ Q31 1.038 0.071 0.071  
## 181 confianca =~ Q32 8.158 -0.215 -0.215  
## 182 confianca =~ Q33 11.274 0.265 0.265  
## 183 confianca =~ Q34 0.549 -0.069 -0.069  
## 184 confianca =~ Q35 0.338 -0.033 -0.033  
## 185 confianca =~ Q36 0.044 -0.011 -0.011  
## 186 confianca =~ Q37 1.360 -0.055 -0.055  
## 187 confianca =~ Q38 0.000 0.000 0.000  
## 188 confianca =~ Q39 0.185 0.029 0.029  
## 189 confianca =~ Q40 2.954 0.094 0.094  
## 190 confianca =~ Q41 0.009 0.006 0.006  
## 191 apoio.ambiental.animal =~ Q6 0.405 0.054 0.054  
## 192 apoio.ambiental.animal =~ Q7 1.380 0.106 0.106  
## 193 apoio.ambiental.animal =~ Q8 4.182 -0.217 -0.217  
## 194 apoio.ambiental.animal =~ Q9 0.491 0.043 0.043  
## 195 apoio.ambiental.animal =~ Q10 0.079 0.024 0.024  
## 196 apoio.ambiental.animal =~ Q11 1.251 -0.074 -0.074  
## 197 apoio.ambiental.animal =~ Q16 0.384 -0.114 -0.114  
## 198 apoio.ambiental.animal =~ Q17 0.290 0.113 0.113  
## 199 apoio.ambiental.animal =~ Q18 0.004 -0.015 -0.015  
## 200 apoio.ambiental.animal =~ Q20 2.325 0.095 0.095  
## 201 apoio.ambiental.animal =~ Q21 1.417 -0.079 -0.079  
## 202 apoio.ambiental.animal =~ Q22 0.017 -0.008 -0.008  
## 203 apoio.ambiental.animal =~ Q23 0.024 0.013 0.013  
## 204 apoio.ambiental.animal =~ Q24 0.283 0.060 0.060  
## 205 apoio.ambiental.animal =~ Q25 0.252 -0.056 -0.056  
## 206 apoio.ambiental.animal =~ Q26 90.601 0.791 0.791  
## 207 apoio.ambiental.animal =~ Q27 2.551 -0.112 -0.112  
## 208 apoio.ambiental.animal =~ Q28 12.762 -0.254 -0.254  
## 209 apoio.ambiental.animal =~ Q30 0.631 0.064 0.064  
## 210 apoio.ambiental.animal =~ Q31 0.666 -0.055 -0.055  
## 211 apoio.ambiental.animal =~ Q32 4.028 0.200 0.200  
## 212 apoio.ambiental.animal =~ Q33 14.473 -0.407 -0.407  
## 213 apoio.ambiental.animal =~ Q34 2.797 0.217 0.217  
## 214 apoio.ambiental.animal =~ Q35 0.380 0.041 0.041  
## 215 apoio.ambiental.animal =~ Q36 0.491 -0.044 -0.044  
## 216 apoio.ambiental.animal =~ Q37 2.032 0.081 0.081  
## 217 apoio.ambiental.animal =~ Q38 5.614 -0.131 -0.131  
## 218 apoio.ambiental.animal =~ Q39 1.803 -0.093 -0.093  
## 219 apoio.ambiental.animal =~ Q40 0.703 -0.050 -0.050  
## 220 apoio.ambiental.animal =~ Q41 22.166 0.291 0.291  
## 221 apoio.social =~ Q6 0.397 0.050 0.050  
## 222 apoio.social =~ Q7 1.262 0.095 0.095  
## 223 apoio.social =~ Q8 3.818 -0.193 -0.193  
## 224 apoio.social =~ Q9 0.549 0.045 0.045  
## 225 apoio.social =~ Q10 0.059 0.021 0.021  
## 226 apoio.social =~ Q11 1.318 -0.076 -0.076  
## 227 apoio.social =~ Q12 0.070 0.053 0.053  
## 228 apoio.social =~ Q13 5.125 -0.542 -0.542  
## 229 apoio.social =~ Q14 1.312 0.234 0.234  
## 230 apoio.social =~ Q15 1.842 0.334 0.334  
## 231 apoio.social =~ Q20 2.694 0.104 0.104  
## 232 apoio.social =~ Q21 1.707 -0.089 -0.089  
## 233 apoio.social =~ Q22 0.014 -0.008 -0.008  
## 234 apoio.social =~ Q23 0.681 -0.062 -0.062  
## 235 apoio.social =~ Q24 4.249 0.191 0.191  
## 236 apoio.social =~ Q25 3.740 -0.179 -0.179  
## 237 apoio.social =~ Q26 89.210 0.837 0.837  
## 238 apoio.social =~ Q27 4.187 -0.154 -0.154  
## 239 apoio.social =~ Q28 9.577 -0.236 -0.236  
## 240 apoio.social =~ Q30 0.609 0.060 0.060  
## 241 apoio.social =~ Q31 0.609 -0.050 -0.050  
## 242 apoio.social =~ Q32 12.896 0.364 0.364  
## 243 apoio.social =~ Q33 18.649 -0.470 -0.470  
## 244 apoio.social =~ Q34 0.992 0.134 0.134  
## 245 apoio.social =~ Q35 1.639 0.089 0.089  
## 246 apoio.social =~ Q36 0.262 0.033 0.033  
## 247 apoio.social =~ Q37 0.618 0.047 0.047  
## 248 apoio.social =~ Q38 9.412 -0.179 -0.179  
## 249 apoio.social =~ Q39 1.761 -0.093 -0.093  
## 250 apoio.social =~ Q40 1.959 -0.084 -0.084  
## 251 apoio.social =~ Q41 23.474 0.301 0.301  
## 252 status =~ Q6 0.325 -0.040 -0.040  
## 253 status =~ Q7 0.038 -0.014 -0.014  
## 254 status =~ Q8 0.789 0.078 0.078  
## 255 status =~ Q9 0.043 -0.011 -0.011  
## 256 status =~ Q10 1.038 0.077 0.077  
## 257 status =~ Q11 1.249 -0.069 -0.069  
## 258 status =~ Q12 0.705 0.060 0.060  
## 259 status =~ Q13 5.118 -0.182 -0.182  
## 260 status =~ Q14 0.316 -0.041 -0.041  
## 261 status =~ Q15 4.603 0.181 0.181  
## 262 status =~ Q16 0.109 -0.022 -0.022  
## 263 status =~ Q17 0.002 0.003 0.003  
## 264 status =~ Q18 0.418 0.055 0.055  
## 265 status =~ Q23 1.080 -0.057 -0.057  
## 266 status =~ Q24 3.224 0.116 0.116  
## 267 status =~ Q25 3.118 -0.113 -0.113  
## 268 status =~ Q26 1.516 -0.110 -0.110  
## 269 status =~ Q27 4.685 -0.161 -0.161  
## 270 status =~ Q28 8.549 0.219 0.219  
## 271 status =~ Q30 1.610 0.088 0.088  
## 272 status =~ Q31 1.457 -0.071 -0.071  
## 273 status =~ Q32 0.006 -0.005 -0.005  
## 274 status =~ Q33 1.555 0.091 0.091  
## 275 status =~ Q34 0.618 -0.065 -0.065  
## 276 status =~ Q35 0.730 0.044 0.044  
## 277 status =~ Q36 1.851 0.064 0.064  
## 278 status =~ Q37 6.274 -0.107 -0.107  
## 279 status =~ Q38 0.038 0.008 0.008  
## 280 status =~ Q39 1.424 0.071 0.071  
## 281 status =~ Q40 1.069 -0.051 -0.051  
## 282 status =~ Q41 0.007 0.005 0.005  
## 283 sacrificio =~ Q6 1.910 0.132 0.132  
## 284 sacrificio =~ Q7 1.015 0.105 0.105  
## 285 sacrificio =~ Q8 6.541 -0.304 -0.304  
## 286 sacrificio =~ Q9 0.591 0.042 0.042  
## 287 sacrificio =~ Q10 0.659 -0.062 -0.062  
## 288 sacrificio =~ Q11 0.006 0.005 0.005  
## 289 sacrificio =~ Q12 0.438 -0.070 -0.070  
## 290 sacrificio =~ Q13 35.370 0.736 0.736  
## 291 sacrificio =~ Q14 8.961 -0.323 -0.323  
## 292 sacrificio =~ Q15 13.602 -0.472 -0.472  
## 293 sacrificio =~ Q16 8.964 -0.266 -0.266  
## 294 sacrificio =~ Q17 3.763 0.197 0.197  
## 295 sacrificio =~ Q18 1.938 0.154 0.154  
## 296 sacrificio =~ Q20 2.544 0.094 0.094  
## 297 sacrificio =~ Q21 2.857 -0.106 -0.106  
## 298 sacrificio =~ Q22 0.089 0.018 0.018  
## 299 sacrificio =~ Q26 82.184 0.655 0.655  
## 300 sacrificio =~ Q27 1.399 -0.070 -0.070  
## 301 sacrificio =~ Q28 12.563 -0.212 -0.212  
## 302 sacrificio =~ Q30 1.252 -0.128 -0.128  
## 303 sacrificio =~ Q31 1.252 0.107 0.107  
## 304 sacrificio =~ Q32 0.609 0.073 0.073  
## 305 sacrificio =~ Q33 0.617 -0.078 -0.078  
## 306 sacrificio =~ Q34 0.008 0.011 0.011  
## 307 sacrificio =~ Q35 0.292 -0.027 -0.027  
## 308 sacrificio =~ Q36 0.702 -0.039 -0.039  
## 309 sacrificio =~ Q37 0.162 -0.017 -0.017  
## 310 sacrificio =~ Q38 5.173 -0.095 -0.095  
## 311 sacrificio =~ Q39 2.082 0.083 0.083  
## 312 sacrificio =~ Q40 0.853 0.044 0.044  
## 313 sacrificio =~ Q41 13.251 0.191 0.191  
## 314 eficacia =~ Q6 0.042 -0.015 -0.015  
## 315 eficacia =~ Q7 0.290 0.042 0.042  
## 316 eficacia =~ Q8 0.203 -0.043 -0.043  
## 317 eficacia =~ Q9 0.346 -0.034 -0.034  
## 318 eficacia =~ Q10 2.298 0.121 0.121  
## 319 eficacia =~ Q11 1.319 -0.074 -0.074  
## 320 eficacia =~ Q12 0.373 -0.051 -0.051  
## 321 eficacia =~ Q13 9.243 -0.292 -0.292  
## 322 eficacia =~ Q14 0.629 0.068 0.068  
## 323 eficacia =~ Q15 10.937 0.332 0.332  
## 324 eficacia =~ Q16 0.445 0.056 0.056  
## 325 eficacia =~ Q17 1.074 -0.100 -0.100  
## 326 eficacia =~ Q18 0.312 0.058 0.058  
## 327 eficacia =~ Q20 2.848 -0.137 -0.137  
## 328 eficacia =~ Q21 0.535 -0.066 -0.066  
## 329 eficacia =~ Q22 4.816 0.189 0.189  
## 330 eficacia =~ Q23 2.260 -0.088 -0.088  
## 331 eficacia =~ Q24 2.542 0.115 0.115  
## 332 eficacia =~ Q25 1.861 -0.098 -0.098  
## 333 eficacia =~ Q30 2.595 0.122 0.122  
## 334 eficacia =~ Q31 2.595 -0.103 -0.103  
## 335 eficacia =~ Q32 0.156 0.038 0.038  
## 336 eficacia =~ Q33 1.634 0.131 0.131  
## 337 eficacia =~ Q34 1.848 -0.167 -0.167  
## 338 eficacia =~ Q35 4.286 0.172 0.172  
## 339 eficacia =~ Q36 1.153 0.083 0.083  
## 340 eficacia =~ Q37 1.807 -0.095 -0.095  
## 341 eficacia =~ Q38 4.589 -0.147 -0.147  
## 342 eficacia =~ Q39 0.804 0.072 0.072  
## 343 eficacia =~ Q40 1.043 -0.071 -0.071  
## 344 eficacia =~ Q41 2.789 0.119 0.119  
## 345 preço =~ Q6 0.746 0.063 0.063  
## 346 preço =~ Q7 0.001 -0.003 -0.003  
## 347 preço =~ Q8 0.705 -0.076 -0.076  
## 348 preço =~ Q9 0.073 -0.015 -0.015  
## 349 preço =~ Q10 0.034 -0.014 -0.014  
## 350 preço =~ Q11 0.296 0.034 0.034  
## 351 preço =~ Q12 0.410 -0.047 -0.047  
## 352 preço =~ Q13 17.084 0.345 0.345  
## 353 preço =~ Q14 12.056 -0.262 -0.262  
## 354 preço =~ Q15 2.308 -0.133 -0.133  
## 355 preço =~ Q16 7.021 -0.171 -0.171  
## 356 preço =~ Q17 3.964 0.147 0.147  
## 357 preço =~ Q18 0.701 0.067 0.067  
## 358 preço =~ Q20 0.074 0.016 0.016  
## 359 preço =~ Q21 0.341 -0.037 -0.037  
## 360 preço =~ Q22 0.111 0.020 0.020  
## 361 preço =~ Q23 0.942 0.067 0.067  
## 362 preço =~ Q24 5.306 -0.199 -0.199  
## 363 preço =~ Q25 4.634 0.185 0.185  
## 364 preço =~ Q26 10.350 0.232 0.232  
## 365 preço =~ Q27 1.502 -0.071 -0.071  
## 366 preço =~ Q28 0.199 -0.026 -0.026  
## 367 preço =~ Q32 11.432 -0.251 -0.251  
## 368 preço =~ Q33 15.961 0.312 0.312  
## 369 preço =~ Q34 0.795 -0.083 -0.083  
## 370 preço =~ Q35 3.792 -0.091 -0.091  
## 371 preço =~ Q36 2.224 -0.065 -0.065  
## 372 preço =~ Q37 1.445 -0.048 -0.048  
## 373 preço =~ Q38 1.093 -0.040 -0.040  
## 374 preço =~ Q39 10.973 0.184 0.184  
## 375 preço =~ Q40 6.308 0.115 0.115  
## 376 preço =~ Q41 2.051 0.073 0.073  
## 377 resistencia =~ Q6 0.194 0.037 0.037  
## 378 resistencia =~ Q7 1.493 0.110 0.110  
## 379 resistencia =~ Q8 3.500 -0.195 -0.195  
## 380 resistencia =~ Q9 0.056 -0.013 -0.013  
## 381 resistencia =~ Q10 0.822 0.069 0.069  
## 382 resistencia =~ Q11 0.672 -0.050 -0.050  
## 383 resistencia =~ Q12 0.410 -0.067 -0.067  
## 384 resistencia =~ Q13 1.582 0.155 0.155  
## 385 resistencia =~ Q14 0.785 -0.094 -0.094  
## 386 resistencia =~ Q15 0.020 -0.018 -0.018  
## 387 resistencia =~ Q16 3.078 -0.179 -0.179  
## 388 resistencia =~ Q17 0.071 -0.031 -0.031  
## 389 resistencia =~ Q18 7.641 0.342 0.342  
## 390 resistencia =~ Q20 0.807 0.059 0.059  
## 391 resistencia =~ Q21 3.131 -0.125 -0.125  
## 392 resistencia =~ Q22 0.886 0.063 0.063  
## 393 resistencia =~ Q23 0.512 -0.056 -0.056  
## 394 resistencia =~ Q24 2.601 0.163 0.163  
## 395 resistencia =~ Q25 2.242 -0.151 -0.151  
## 396 resistencia =~ Q26 65.301 0.823 0.823  
## 397 resistencia =~ Q27 0.738 -0.078 -0.078  
## 398 resistencia =~ Q28 13.923 -0.343 -0.343  
## 399 resistencia =~ Q30 1.928 0.135 0.135  
## 400 resistencia =~ Q31 1.928 -0.113 -0.113  
## 401 resistencia =~ Q35 1.312 -0.098 -0.098  
## 402 resistencia =~ Q36 0.001 -0.002 -0.002  
## 403 resistencia =~ Q37 6.652 -0.188 -0.188  
## 404 resistencia =~ Q38 2.961 -0.124 -0.124  
## 405 resistencia =~ Q39 7.527 0.212 0.212  
## 406 resistencia =~ Q40 0.154 -0.027 -0.027  
## 407 resistencia =~ Q41 15.493 0.267 0.267  
## 408 atitude =~ Q6 0.109 -0.011 -0.025  
## 409 atitude =~ Q7 1.115 0.038 0.084  
## 410 atitude =~ Q8 0.837 -0.039 -0.086  
## 411 atitude =~ Q9 0.962 -0.026 -0.057  
## 412 atitude =~ Q10 1.754 0.048 0.107  
## 413 atitude =~ Q11 0.164 -0.012 -0.026  
## 414 atitude =~ Q12 0.898 -0.042 -0.093  
## 415 atitude =~ Q13 3.630 -0.097 -0.213  
## 416 atitude =~ Q14 0.618 0.035 0.078  
## 417 atitude =~ Q15 5.836 0.128 0.283  
## 418 atitude =~ Q16 0.091 0.013 0.029  
## 419 atitude =~ Q17 1.764 -0.066 -0.145  
## 420 atitude =~ Q18 2.422 0.083 0.184  
## 421 atitude =~ Q20 0.012 -0.003 -0.007  
## 422 atitude =~ Q21 0.575 -0.025 -0.055  
## 423 atitude =~ Q22 0.512 0.022 0.049  
## 424 atitude =~ Q23 3.611 -0.050 -0.111  
## 425 atitude =~ Q24 1.368 0.039 0.086  
## 426 atitude =~ Q25 0.893 -0.031 -0.069  
## 427 atitude =~ Q26 29.791 0.302 0.667  
## 428 atitude =~ Q27 1.166 -0.060 -0.133  
## 429 atitude =~ Q28 5.877 -0.138 -0.305  
## 430 atitude =~ Q30 2.816 0.056 0.123  
## 431 atitude =~ Q31 2.786 -0.047 -0.103  
## 432 atitude =~ Q32 0.242 0.027 0.060  
## 433 atitude =~ Q33 0.341 0.035 0.077  
## 434 atitude =~ Q34 0.684 -0.062 -0.138  
## 435 atitude =~ Q39 1.446 0.059 0.129  
## 436 atitude =~ Q40 14.703 -0.183 -0.403  
## 437 atitude =~ Q41 8.040 0.115 0.254  
## 438 intençao.compra =~ Q6 0.362 0.029 0.043  
## 439 intençao.compra =~ Q7 0.231 0.022 0.034  
## 440 intençao.compra =~ Q8 2.251 -0.090 -0.135  
## 441 intençao.compra =~ Q9 0.001 -0.001 -0.002  
## 442 intençao.compra =~ Q10 0.016 0.006 0.009  
## 443 intençao.compra =~ Q11 0.454 -0.028 -0.041  
## 444 intençao.compra =~ Q12 1.590 -0.066 -0.099  
## 445 intençao.compra =~ Q13 0.008 0.005 0.008  
## 446 intençao.compra =~ Q14 1.925 -0.076 -0.113  
## 447 intençao.compra =~ Q15 0.358 0.037 0.055  
## 448 intençao.compra =~ Q16 0.059 -0.011 -0.017  
## 449 intençao.compra =~ Q17 0.000 0.000 0.000  
## 450 intençao.compra =~ Q18 1.579 0.078 0.116  
## 451 intençao.compra =~ Q20 0.431 0.028 0.041  
## 452 intençao.compra =~ Q21 0.154 -0.018 -0.026  
## 453 intençao.compra =~ Q22 0.003 -0.002 -0.003  
## 454 intençao.compra =~ Q23 1.688 -0.049 -0.073  
## 455 intençao.compra =~ Q24 0.825 0.039 0.058  
## 456 intençao.compra =~ Q25 0.428 0.027 0.040  
## 457 intençao.compra =~ Q26 18.212 0.258 0.387  
## 458 intençao.compra =~ Q27 0.068 -0.012 -0.019  
## 459 intençao.compra =~ Q28 0.857 0.042 0.063  
## 460 intençao.compra =~ Q30 12.269 0.147 0.220  
## 461 intençao.compra =~ Q31 0.016 0.005 0.007  
## 462 intençao.compra =~ Q32 0.370 0.033 0.050  
## 463 intençao.compra =~ Q33 16.012 0.229 0.343  
## 464 intençao.compra =~ Q34 0.204 -0.024 -0.035  
## 465 intençao.compra =~ Q35 5.963 -0.122 -0.182  
## 466 intençao.compra =~ Q36 0.395 0.029 0.044  
## 467 intençao.compra =~ Q37 5.995 -0.103 -0.154  
## 468 intençao.compra =~ Q38 2.866 -0.069 -0.104  
## 469 Q6 ~~ Q7 7.542 -0.298 -0.298  
## 470 Q6 ~~ Q8 2.790 0.169 0.169  
## 471 Q6 ~~ Q9 1.266 -0.047 -0.047  
## 472 Q6 ~~ Q10 1.114 -0.059 -0.059  
## 473 Q6 ~~ Q11 1.348 -0.057 -0.057  
## 474 Q6 ~~ Q12 0.192 -0.024 -0.024  
## 475 Q6 ~~ Q13 1.693 0.074 0.074  
## 476 Q6 ~~ Q14 0.008 0.005 0.005  
## 477 Q6 ~~ Q15 1.153 -0.069 -0.069  
## 478 Q6 ~~ Q16 0.164 0.019 0.019  
## 479 Q6 ~~ Q17 0.214 0.023 0.023  
## 480 Q6 ~~ Q18 0.563 -0.049 -0.049  
## 481 Q6 ~~ Q20 1.269 0.057 0.057  
## 482 Q6 ~~ Q21 0.075 -0.014 -0.014  
## 483 Q6 ~~ Q22 0.584 -0.036 -0.036  
## 484 Q6 ~~ Q23 0.004 0.003 0.003  
## 485 Q6 ~~ Q24 5.382 0.112 0.112  
## 486 Q6 ~~ Q25 2.681 -0.075 -0.075  
## 487 Q6 ~~ Q26 2.785 0.101 0.101  
## 488 Q6 ~~ Q27 0.082 0.012 0.012  
## 489 Q6 ~~ Q28 0.396 0.025 0.025  
## 490 Q6 ~~ Q30 0.002 -0.002 -0.002  
## 491 Q6 ~~ Q31 1.819 0.065 0.065  
## 492 Q6 ~~ Q32 0.595 0.041 0.041  
## 493 Q6 ~~ Q33 0.016 0.007 0.007  
## 494 Q6 ~~ Q34 0.043 -0.009 -0.009  
## 495 Q6 ~~ Q35 0.025 0.006 0.006  
## 496 Q6 ~~ Q36 5.098 -0.079 -0.079  
## 497 Q6 ~~ Q37 0.003 0.002 0.002  
## 498 Q6 ~~ Q38 0.838 -0.027 -0.027  
## 499 Q6 ~~ Q39 0.724 -0.039 -0.039  
## 500 Q6 ~~ Q40 3.409 0.070 0.070  
## 501 Q6 ~~ Q41 0.225 -0.020 -0.020  
## 502 Q7 ~~ Q8 0.865 0.121 0.121  
## 503 Q7 ~~ Q9 0.665 0.031 0.031  
## 504 Q7 ~~ Q10 0.473 0.035 0.035  
## 505 Q7 ~~ Q11 0.321 0.025 0.025  
## 506 Q7 ~~ Q12 0.452 -0.034 -0.034  
## 507 Q7 ~~ Q13 0.010 0.005 0.005  
## 508 Q7 ~~ Q14 0.277 -0.028 -0.028  
## 509 Q7 ~~ Q15 2.378 0.089 0.089  
## 510 Q7 ~~ Q16 0.966 -0.042 -0.042  
## 511 Q7 ~~ Q17 0.011 0.005 0.005  
## 512 Q7 ~~ Q18 0.642 0.047 0.047  
## 513 Q7 ~~ Q20 1.261 -0.051 -0.051  
## 514 Q7 ~~ Q21 0.586 -0.036 -0.036  
## 515 Q7 ~~ Q22 0.881 0.040 0.040  
## 516 Q7 ~~ Q23 0.165 -0.017 -0.017  
## 517 Q7 ~~ Q24 0.681 -0.037 -0.037  
## 518 Q7 ~~ Q25 1.971 0.061 0.061  
## 519 Q7 ~~ Q26 2.142 0.079 0.079  
## 520 Q7 ~~ Q27 0.180 0.016 0.016  
## 521 Q7 ~~ Q28 4.238 -0.076 -0.076  
## 522 Q7 ~~ Q30 0.267 -0.022 -0.022  
## 523 Q7 ~~ Q31 0.481 -0.030 -0.030  
## 524 Q7 ~~ Q32 2.013 -0.067 -0.067  
## 525 Q7 ~~ Q33 0.598 0.038 0.038  
## 526 Q7 ~~ Q34 0.915 0.041 0.041  
## 527 Q7 ~~ Q35 0.152 0.013 0.013  
## 528 Q7 ~~ Q36 0.391 -0.020 -0.020  
## 529 Q7 ~~ Q37 0.033 0.005 0.005  
## 530 Q7 ~~ Q38 1.848 0.036 0.036  
## 531 Q7 ~~ Q39 0.049 -0.009 -0.009  
## 532 Q7 ~~ Q40 1.784 -0.045 -0.045  
## 533 Q7 ~~ Q41 3.331 0.069 0.069  
## 534 Q8 ~~ Q9 0.018 0.007 0.007  
## 535 Q8 ~~ Q10 0.007 0.006 0.006  
## 536 Q8 ~~ Q11 0.115 0.021 0.021  
## 537 Q8 ~~ Q12 0.085 0.020 0.020  
## 538 Q8 ~~ Q13 0.005 -0.005 -0.005  
## 539 Q8 ~~ Q14 1.011 0.074 0.074  
## 540 Q8 ~~ Q15 4.062 -0.162 -0.162  
## 541 Q8 ~~ Q16 0.092 -0.018 -0.018  
## 542 Q8 ~~ Q17 1.088 -0.065 -0.065  
## 543 Q8 ~~ Q18 5.095 0.184 0.184  
## 544 Q8 ~~ Q20 0.724 -0.054 -0.054  
## 545 Q8 ~~ Q21 1.496 0.080 0.080  
## 546 Q8 ~~ Q22 0.440 0.039 0.039  
## 547 Q8 ~~ Q23 0.647 -0.047 -0.047  
## 548 Q8 ~~ Q24 1.243 -0.067 -0.067  
## 549 Q8 ~~ Q25 0.015 -0.007 -0.007  
## 550 Q8 ~~ Q26 1.186 -0.083 -0.083  
## 551 Q8 ~~ Q27 2.267 0.080 0.080  
## 552 Q8 ~~ Q28 1.420 -0.060 -0.060  
## 553 Q8 ~~ Q30 0.372 -0.035 -0.035  
## 554 Q8 ~~ Q31 1.686 0.079 0.079  
## 555 Q8 ~~ Q32 0.012 -0.007 -0.007  
## 556 Q8 ~~ Q33 0.552 -0.051 -0.051  
## 557 Q8 ~~ Q34 0.514 -0.041 -0.041  
## 558 Q8 ~~ Q35 1.001 0.048 0.048  
## 559 Q8 ~~ Q36 0.453 0.030 0.030  
## 560 Q8 ~~ Q37 0.095 0.012 0.012  
## 561 Q8 ~~ Q38 0.002 0.002 0.002  
## 562 Q8 ~~ Q39 1.922 0.081 0.081  
## 563 Q8 ~~ Q40 0.607 -0.037 -0.037  
## 564 Q8 ~~ Q41 7.634 -0.148 -0.148  
## 565 Q9 ~~ Q10 0.031 -0.014 -0.014  
## 566 Q9 ~~ Q11 0.089 -0.015 -0.015  
## 567 Q9 ~~ Q12 1.626 0.051 0.051  
## 568 Q9 ~~ Q13 0.036 -0.008 -0.008  
## 569 Q9 ~~ Q14 2.116 -0.062 -0.062  
## 570 Q9 ~~ Q15 1.806 0.063 0.063  
## 571 Q9 ~~ Q16 0.514 0.025 0.025  
## 572 Q9 ~~ Q17 0.134 0.014 0.014  
## 573 Q9 ~~ Q18 0.399 -0.030 -0.030  
## 574 Q9 ~~ Q20 0.979 0.036 0.036  
## 575 Q9 ~~ Q21 0.098 -0.012 -0.012  
## 576 Q9 ~~ Q22 0.019 -0.005 -0.005  
## 577 Q9 ~~ Q23 0.124 -0.012 -0.012  
## 578 Q9 ~~ Q24 0.295 0.019 0.019  
## 579 Q9 ~~ Q25 0.035 0.006 0.006  
## 580 Q9 ~~ Q26 0.867 0.041 0.041  
## 581 Q9 ~~ Q27 0.003 0.002 0.002  
## 582 Q9 ~~ Q28 0.000 0.000 0.000  
## 583 Q9 ~~ Q30 0.004 0.002 0.002  
## 584 Q9 ~~ Q31 0.246 -0.018 -0.018  
## 585 Q9 ~~ Q32 1.088 -0.040 -0.040  
## 586 Q9 ~~ Q33 0.022 -0.006 -0.006  
## 587 Q9 ~~ Q34 0.363 0.020 0.020  
## 588 Q9 ~~ Q35 0.838 -0.025 -0.025  
## 589 Q9 ~~ Q36 1.522 -0.031 -0.031  
## 590 Q9 ~~ Q37 0.129 -0.008 -0.008  
## 591 Q9 ~~ Q38 0.413 -0.014 -0.014  
## 592 Q9 ~~ Q39 0.078 -0.009 -0.009  
## 593 Q9 ~~ Q40 0.768 0.024 0.024  
## 594 Q9 ~~ Q41 0.271 0.016 0.016  
## 595 Q10 ~~ Q11 0.277 0.037 0.037  
## 596 Q10 ~~ Q12 0.547 0.040 0.040  
## 597 Q10 ~~ Q13 1.894 -0.077 -0.077  
## 598 Q10 ~~ Q14 2.207 0.084 0.084  
## 599 Q10 ~~ Q15 0.367 0.038 0.038  
## 600 Q10 ~~ Q16 0.005 -0.003 -0.003  
## 601 Q10 ~~ Q17 0.066 -0.013 -0.013  
## 602 Q10 ~~ Q18 0.040 -0.013 -0.013  
## 603 Q10 ~~ Q20 1.444 -0.058 -0.058  
## 604 Q10 ~~ Q21 0.227 -0.024 -0.024  
## 605 Q10 ~~ Q22 1.947 0.064 0.064  
## 606 Q10 ~~ Q23 0.213 -0.021 -0.021  
## 607 Q10 ~~ Q24 2.700 -0.077 -0.077  
## 608 Q10 ~~ Q25 0.002 0.002 0.002  
## 609 Q10 ~~ Q26 0.062 0.015 0.015  
## 610 Q10 ~~ Q27 0.075 0.012 0.012  
## 611 Q10 ~~ Q28 0.001 0.001 0.001  
## 612 Q10 ~~ Q30 0.017 -0.006 -0.006  
## 613 Q10 ~~ Q31 0.016 0.006 0.006  
## 614 Q10 ~~ Q32 0.764 -0.044 -0.044  
## 615 Q10 ~~ Q33 0.205 0.024 0.024  
## 616 Q10 ~~ Q34 1.696 0.060 0.060  
## 617 Q10 ~~ Q35 0.261 -0.019 -0.019  
## 618 Q10 ~~ Q36 0.030 0.006 0.006  
## 619 Q10 ~~ Q37 0.466 0.021 0.021  
## 620 Q10 ~~ Q38 0.747 0.025 0.025  
## 621 Q10 ~~ Q39 4.598 -0.095 -0.095  
## 622 Q10 ~~ Q40 0.495 -0.026 -0.026  
## 623 Q10 ~~ Q41 3.474 0.076 0.076  
## 624 Q11 ~~ Q12 0.294 -0.026 -0.026  
## 625 Q11 ~~ Q13 0.000 0.000 0.000  
## 626 Q11 ~~ Q14 0.200 -0.022 -0.022  
## 627 Q11 ~~ Q15 2.605 -0.088 -0.088  
## 628 Q11 ~~ Q16 2.046 -0.058 -0.058  
## 629 Q11 ~~ Q17 0.006 0.003 0.003  
## 630 Q11 ~~ Q18 2.810 0.093 0.093  
## 631 Q11 ~~ Q20 1.592 -0.055 -0.055  
## 632 Q11 ~~ Q21 2.341 0.068 0.068  
## 633 Q11 ~~ Q22 1.050 -0.042 -0.042  
## 634 Q11 ~~ Q23 0.104 0.013 0.013  
## 635 Q11 ~~ Q24 0.075 -0.011 -0.011  
## 636 Q11 ~~ Q25 2.116 0.057 0.057  
## 637 Q11 ~~ Q26 3.476 -0.097 -0.097  
## 638 Q11 ~~ Q27 0.077 -0.010 -0.010  
## 639 Q11 ~~ Q28 0.007 -0.003 -0.003  
## 640 Q11 ~~ Q30 2.108 -0.058 -0.058  
## 641 Q11 ~~ Q31 5.572 0.098 0.098  
## 642 Q11 ~~ Q32 0.436 -0.030 -0.030  
## 643 Q11 ~~ Q33 4.280 0.097 0.097  
## 644 Q11 ~~ Q34 5.328 -0.090 -0.090  
## 645 Q11 ~~ Q35 0.869 0.030 0.030  
## 646 Q11 ~~ Q36 0.330 0.017 0.017  
## 647 Q11 ~~ Q37 0.128 0.010 0.010  
## 648 Q11 ~~ Q38 1.537 0.032 0.032  
## 649 Q11 ~~ Q39 0.176 0.017 0.017  
## 650 Q11 ~~ Q40 0.919 -0.031 -0.031  
## 651 Q11 ~~ Q41 0.503 -0.026 -0.026  
## 652 Q12 ~~ Q13 0.000 0.000 0.000  
## 653 Q12 ~~ Q14 0.516 0.042 0.042  
## 654 Q12 ~~ Q15 0.986 0.066 0.066  
## 655 Q12 ~~ Q16 0.984 0.046 0.046  
## 656 Q12 ~~ Q17 1.620 -0.063 -0.063  
## 657 Q12 ~~ Q18 0.503 0.045 0.045  
## 658 Q12 ~~ Q20 4.384 0.102 0.102  
## 659 Q12 ~~ Q21 4.436 0.106 0.106  
## 660 Q12 ~~ Q22 6.417 -0.115 -0.115  
## 661 Q12 ~~ Q23 1.573 0.056 0.056  
## 662 Q12 ~~ Q24 0.013 0.005 0.005  
## 663 Q12 ~~ Q25 0.006 -0.003 -0.003  
## 664 Q12 ~~ Q26 0.575 0.044 0.044  
## 665 Q12 ~~ Q27 0.004 -0.002 -0.002  
## 666 Q12 ~~ Q28 2.585 -0.062 -0.062  
## 667 Q12 ~~ Q30 0.868 -0.041 -0.041  
## 668 Q12 ~~ Q31 0.028 0.008 0.008  
## 669 Q12 ~~ Q32 6.243 0.127 0.127  
## 670 Q12 ~~ Q33 5.141 -0.119 -0.119  
## 671 Q12 ~~ Q34 0.187 0.019 0.019  
## 672 Q12 ~~ Q35 0.782 0.032 0.032  
## 673 Q12 ~~ Q36 3.757 0.065 0.065  
## 674 Q12 ~~ Q37 0.606 -0.023 -0.023  
## 675 Q12 ~~ Q38 0.884 -0.027 -0.027  
## 676 Q12 ~~ Q39 0.077 -0.012 -0.012  
## 677 Q12 ~~ Q40 1.147 -0.039 -0.039  
## 678 Q12 ~~ Q41 0.010 0.004 0.004  
## 679 Q13 ~~ Q14 0.742 -0.054 -0.054  
## 680 Q13 ~~ Q15 0.323 -0.044 -0.044  
## 681 Q13 ~~ Q16 2.023 -0.070 -0.070  
## 682 Q13 ~~ Q17 0.012 0.006 0.006  
## 683 Q13 ~~ Q18 2.628 -0.106 -0.106  
## 684 Q13 ~~ Q20 0.695 -0.041 -0.041  
## 685 Q13 ~~ Q21 0.526 -0.037 -0.037  
## 686 Q13 ~~ Q22 1.642 0.060 0.060  
## 687 Q13 ~~ Q23 7.412 0.124 0.124  
## 688 Q13 ~~ Q24 0.151 -0.019 -0.019  
## 689 Q13 ~~ Q25 11.358 0.155 0.155  
## 690 Q13 ~~ Q26 10.900 0.195 0.195  
## 691 Q13 ~~ Q27 3.369 -0.078 -0.078  
## 692 Q13 ~~ Q28 0.124 -0.014 -0.014  
## 693 Q13 ~~ Q30 6.295 0.117 0.117  
## 694 Q13 ~~ Q31 1.065 -0.049 -0.049  
## 695 Q13 ~~ Q32 0.108 -0.017 -0.017  
## 696 Q13 ~~ Q33 0.000 -0.001 -0.001  
## 697 Q13 ~~ Q34 0.080 0.013 0.013  
## 698 Q13 ~~ Q35 1.716 -0.048 -0.048  
## 699 Q13 ~~ Q36 0.082 -0.010 -0.010  
## 700 Q13 ~~ Q37 0.151 -0.012 -0.012  
## 701 Q13 ~~ Q38 0.274 -0.015 -0.015  
## 702 Q13 ~~ Q39 0.136 -0.017 -0.017  
## 703 Q13 ~~ Q40 0.766 0.032 0.032  
## 704 Q13 ~~ Q41 0.645 0.033 0.033  
## 705 Q14 ~~ Q15 0.001 -0.002 -0.002  
## 706 Q14 ~~ Q16 2.259 0.072 0.072  
## 707 Q14 ~~ Q17 0.127 0.018 0.018  
## 708 Q14 ~~ Q18 0.647 0.053 0.053  
## 709 Q14 ~~ Q20 0.181 0.022 0.022  
## 710 Q14 ~~ Q21 4.999 -0.118 -0.118  
## 711 Q14 ~~ Q22 0.000 -0.001 -0.001  
## 712 Q14 ~~ Q23 1.515 -0.058 -0.058  
## 713 Q14 ~~ Q24 8.456 -0.140 -0.140  
## 714 Q14 ~~ Q25 0.010 0.005 0.005  
## 715 Q14 ~~ Q26 1.025 0.062 0.062  
## 716 Q14 ~~ Q27 2.148 0.063 0.063  
## 717 Q14 ~~ Q28 3.984 -0.081 -0.081  
## 718 Q14 ~~ Q30 1.273 -0.052 -0.052  
## 719 Q14 ~~ Q31 0.639 -0.039 -0.039  
## 720 Q14 ~~ Q32 0.970 0.053 0.053  
## 721 Q14 ~~ Q33 3.354 -0.102 -0.102  
## 722 Q14 ~~ Q34 2.209 0.068 0.068  
## 723 Q14 ~~ Q35 2.853 0.065 0.065  
## 724 Q14 ~~ Q36 1.040 -0.036 -0.036  
## 725 Q14 ~~ Q37 2.870 0.054 0.054  
## 726 Q14 ~~ Q38 0.057 0.007 0.007  
## 727 Q14 ~~ Q39 0.463 -0.032 -0.032  
## 728 Q14 ~~ Q40 3.557 -0.073 -0.073  
## 729 Q14 ~~ Q41 0.373 0.026 0.026  
## 730 Q15 ~~ Q16 2.055 0.077 0.077  
## 731 Q15 ~~ Q17 0.714 0.049 0.049  
## 732 Q15 ~~ Q18 4.296 -0.151 -0.151  
## 733 Q15 ~~ Q20 0.000 0.000 0.000  
## 734 Q15 ~~ Q21 0.015 -0.007 -0.007  
## 735 Q15 ~~ Q22 0.203 0.024 0.024  
## 736 Q15 ~~ Q23 0.046 0.011 0.011  
## 737 Q15 ~~ Q24 0.018 0.007 0.007  
## 738 Q15 ~~ Q25 4.926 -0.113 -0.113  
## 739 Q15 ~~ Q26 0.475 -0.046 -0.046  
## 740 Q15 ~~ Q27 0.030 0.008 0.008  
## 741 Q15 ~~ Q28 4.589 0.096 0.096  
## 742 Q15 ~~ Q30 0.095 0.016 0.016  
## 743 Q15 ~~ Q31 0.206 -0.024 -0.024  
## 744 Q15 ~~ Q32 1.664 -0.075 -0.075  
## 745 Q15 ~~ Q33 0.809 -0.054 -0.054  
## 746 Q15 ~~ Q34 0.008 0.005 0.005  
## 747 Q15 ~~ Q35 0.249 0.021 0.021  
## 748 Q15 ~~ Q36 0.205 -0.017 -0.017  
## 749 Q15 ~~ Q37 1.601 0.044 0.044  
## 750 Q15 ~~ Q38 0.683 0.027 0.027  
## 751 Q15 ~~ Q39 3.623 -0.097 -0.097  
## 752 Q15 ~~ Q40 1.114 0.044 0.044  
## 753 Q15 ~~ Q41 0.124 -0.016 -0.016  
## 754 Q16 ~~ Q17 0.166 -0.022 -0.022  
## 755 Q16 ~~ Q18 0.025 -0.009 -0.009  
## 756 Q16 ~~ Q20 0.763 0.036 0.036  
## 757 Q16 ~~ Q21 0.439 0.028 0.028  
## 758 Q16 ~~ Q22 4.371 -0.081 -0.081  
## 759 Q16 ~~ Q23 0.001 0.001 0.001  
## 760 Q16 ~~ Q24 1.182 -0.044 -0.044  
## 761 Q16 ~~ Q25 0.010 0.004 0.004  
## 762 Q16 ~~ Q26 6.451 0.124 0.124  
## 763 Q16 ~~ Q27 0.405 -0.022 -0.022  
## 764 Q16 ~~ Q28 0.033 0.006 0.006  
## 765 Q16 ~~ Q30 0.006 -0.003 -0.003  
## 766 Q16 ~~ Q31 3.230 -0.072 -0.072  
## 767 Q16 ~~ Q32 0.363 0.026 0.026  
## 768 Q16 ~~ Q33 2.749 -0.073 -0.073  
## 769 Q16 ~~ Q34 0.117 0.013 0.013  
## 770 Q16 ~~ Q35 2.303 0.046 0.046  
## 771 Q16 ~~ Q36 0.000 0.000 0.000  
## 772 Q16 ~~ Q37 0.001 0.001 0.001  
## 773 Q16 ~~ Q38 0.052 0.005 0.005  
## 774 Q16 ~~ Q39 2.324 -0.057 -0.057  
## 775 Q16 ~~ Q40 0.180 0.013 0.013  
## 776 Q16 ~~ Q41 0.021 0.005 0.005  
## 777 Q17 ~~ Q18 0.315 0.034 0.034  
## 778 Q17 ~~ Q20 0.088 0.013 0.013  
## 779 Q17 ~~ Q21 0.079 0.013 0.013  
## 780 Q17 ~~ Q22 0.107 0.014 0.014  
## 781 Q17 ~~ Q23 0.009 0.004 0.004  
## 782 Q17 ~~ Q24 5.960 0.107 0.107  
## 783 Q17 ~~ Q25 0.490 -0.030 -0.030  
## 784 Q17 ~~ Q26 0.116 0.018 0.018  
## 785 Q17 ~~ Q27 0.257 0.019 0.019  
## 786 Q17 ~~ Q28 0.136 -0.013 -0.013  
## 787 Q17 ~~ Q30 0.593 -0.033 -0.033  
## 788 Q17 ~~ Q31 6.084 0.106 0.106  
## 789 Q17 ~~ Q32 0.260 -0.023 -0.023  
## 790 Q17 ~~ Q33 0.047 -0.010 -0.010  
## 791 Q17 ~~ Q34 0.641 -0.033 -0.033  
## 792 Q17 ~~ Q35 0.768 -0.028 -0.028  
## 793 Q17 ~~ Q36 1.599 -0.038 -0.038  
## 794 Q17 ~~ Q37 5.112 0.061 0.061  
## 795 Q17 ~~ Q38 2.981 -0.044 -0.044  
## 796 Q17 ~~ Q39 2.170 -0.058 -0.058  
## 797 Q17 ~~ Q40 0.083 -0.009 -0.009  
## 798 Q17 ~~ Q41 11.307 0.122 0.122  
## 799 Q18 ~~ Q20 0.004 0.004 0.004  
## 800 Q18 ~~ Q21 0.104 -0.019 -0.019  
## 801 Q18 ~~ Q22 0.128 0.019 0.019  
## 802 Q18 ~~ Q23 3.597 -0.099 -0.099  
## 803 Q18 ~~ Q24 0.473 0.037 0.037  
## 804 Q18 ~~ Q25 2.132 -0.075 -0.075  
## 805 Q18 ~~ Q26 2.443 0.106 0.106  
## 806 Q18 ~~ Q27 0.587 -0.036 -0.036  
## 807 Q18 ~~ Q28 2.283 -0.068 -0.068  
## 808 Q18 ~~ Q30 0.677 -0.042 -0.042  
## 809 Q18 ~~ Q31 1.679 0.071 0.071  
## 810 Q18 ~~ Q32 1.040 0.060 0.060  
## 811 Q18 ~~ Q33 0.004 0.004 0.004  
## 812 Q18 ~~ Q34 3.134 0.090 0.090  
## 813 Q18 ~~ Q35 0.322 0.024 0.024  
## 814 Q18 ~~ Q36 0.070 0.010 0.010  
## 815 Q18 ~~ Q37 0.234 -0.017 -0.017  
## 816 Q18 ~~ Q38 0.254 -0.017 -0.017  
## 817 Q18 ~~ Q39 0.064 0.013 0.013  
## 818 Q18 ~~ Q40 0.345 -0.025 -0.025  
## 819 Q18 ~~ Q41 2.886 0.081 0.081  
## 820 Q20 ~~ Q21 1.464 0.092 0.092  
## 821 Q20 ~~ Q22 0.005 -0.005 -0.005  
## 822 Q20 ~~ Q23 1.046 -0.042 -0.042  
## 823 Q20 ~~ Q24 4.584 0.089 0.089  
## 824 Q20 ~~ Q25 1.547 -0.049 -0.049  
## 825 Q20 ~~ Q26 1.315 0.061 0.061  
## 826 Q20 ~~ Q27 10.977 -0.122 -0.122  
## 827 Q20 ~~ Q28 0.011 -0.004 -0.004  
## 828 Q20 ~~ Q30 0.719 -0.033 -0.033  
## 829 Q20 ~~ Q31 0.415 0.027 0.027  
## 830 Q20 ~~ Q32 2.542 0.073 0.073  
## 831 Q20 ~~ Q33 0.017 -0.006 -0.006  
## 832 Q20 ~~ Q34 0.517 0.028 0.028  
## 833 Q20 ~~ Q35 0.130 -0.012 -0.012  
## 834 Q20 ~~ Q36 1.064 0.031 0.031  
## 835 Q20 ~~ Q37 1.819 -0.037 -0.037  
## 836 Q20 ~~ Q38 1.164 -0.028 -0.028  
## 837 Q20 ~~ Q39 0.283 0.022 0.022  
## 838 Q20 ~~ Q40 0.021 -0.005 -0.005  
## 839 Q20 ~~ Q41 0.550 0.028 0.028  
## 840 Q21 ~~ Q22 1.604 -0.129 -0.129  
## 841 Q21 ~~ Q23 0.058 -0.010 -0.010  
## 842 Q21 ~~ Q24 3.752 -0.084 -0.084  
## 843 Q21 ~~ Q25 0.539 0.030 0.030  
## 844 Q21 ~~ Q26 1.645 -0.070 -0.070  
## 845 Q21 ~~ Q27 1.448 -0.046 -0.046  
## 846 Q21 ~~ Q28 1.516 0.045 0.045  
## 847 Q21 ~~ Q30 0.688 0.034 0.034  
## 848 Q21 ~~ Q31 0.063 -0.011 -0.011  
## 849 Q21 ~~ Q32 1.516 -0.059 -0.059  
## 850 Q21 ~~ Q33 1.426 0.059 0.059  
## 851 Q21 ~~ Q34 2.300 -0.062 -0.062  
## 852 Q21 ~~ Q35 1.150 0.037 0.037  
## 853 Q21 ~~ Q36 1.783 0.042 0.042  
## 854 Q21 ~~ Q37 2.068 -0.041 -0.041  
## 855 Q21 ~~ Q38 0.016 0.003 0.003  
## 856 Q21 ~~ Q39 3.264 0.075 0.075  
## 857 Q21 ~~ Q40 0.080 0.010 0.010  
## 858 Q21 ~~ Q41 4.067 -0.077 -0.077  
## 859 Q22 ~~ Q23 0.638 0.030 0.030  
## 860 Q22 ~~ Q24 1.104 0.041 0.041  
## 861 Q22 ~~ Q25 0.520 -0.027 -0.027  
## 862 Q22 ~~ Q26 0.197 -0.022 -0.022  
## 863 Q22 ~~ Q27 3.537 0.066 0.066  
## 864 Q22 ~~ Q28 1.184 0.036 0.036  
## 865 Q22 ~~ Q30 0.100 0.012 0.012  
## 866 Q22 ~~ Q31 0.481 -0.027 -0.027  
## 867 Q22 ~~ Q32 0.000 0.001 0.001  
## 868 Q22 ~~ Q33 0.005 -0.003 -0.003  
## 869 Q22 ~~ Q34 0.135 0.014 0.014  
## 870 Q22 ~~ Q35 0.017 -0.004 -0.004  
## 871 Q22 ~~ Q36 0.716 -0.024 -0.024  
## 872 Q22 ~~ Q37 0.002 -0.001 -0.001  
## 873 Q22 ~~ Q38 0.944 0.023 0.023  
## 874 Q22 ~~ Q39 0.420 -0.024 -0.024  
## 875 Q22 ~~ Q40 0.108 -0.010 -0.010  
## 876 Q22 ~~ Q41 0.073 0.009 0.009  
## 877 Q23 ~~ Q24 0.006 0.003 0.003  
## 878 Q23 ~~ Q25 0.654 -0.030 -0.030  
## 879 Q23 ~~ Q26 5.246 0.112 0.112  
## 880 Q23 ~~ Q27 0.501 -0.024 -0.024  
## 881 Q23 ~~ Q28 0.132 -0.012 -0.012  
## 882 Q23 ~~ Q30 0.003 -0.002 -0.002  
## 883 Q23 ~~ Q31 0.890 0.037 0.037  
## 884 Q23 ~~ Q32 0.008 0.004 0.004  
## 885 Q23 ~~ Q33 0.137 0.016 0.016  
## 886 Q23 ~~ Q34 1.920 0.050 0.050  
## 887 Q23 ~~ Q35 0.849 -0.028 -0.028  
## 888 Q23 ~~ Q36 0.089 0.008 0.008  
## 889 Q23 ~~ Q37 0.976 -0.025 -0.025  
## 890 Q23 ~~ Q38 2.740 -0.039 -0.039  
## 891 Q23 ~~ Q39 0.021 -0.005 -0.005  
## 892 Q23 ~~ Q40 0.116 -0.010 -0.010  
## 893 Q23 ~~ Q41 0.981 0.034 0.034  
## 894 Q24 ~~ Q25 0.000 -0.002 -0.002  
## 895 Q24 ~~ Q26 1.078 0.051 0.051  
## 896 Q24 ~~ Q27 2.018 -0.051 -0.051  
## 897 Q24 ~~ Q28 2.445 0.054 0.054  
## 898 Q24 ~~ Q30 0.485 -0.029 -0.029  
## 899 Q24 ~~ Q31 0.515 -0.031 -0.031  
## 900 Q24 ~~ Q32 8.544 0.127 0.127  
## 901 Q24 ~~ Q33 0.005 -0.003 -0.003  
## 902 Q24 ~~ Q34 0.198 -0.018 -0.018  
## 903 Q24 ~~ Q35 0.037 -0.006 -0.006  
## 904 Q24 ~~ Q36 0.085 0.008 0.008  
## 905 Q24 ~~ Q37 0.543 -0.019 -0.019  
## 906 Q24 ~~ Q38 0.070 -0.006 -0.006  
## 907 Q24 ~~ Q39 0.541 0.028 0.028  
## 908 Q24 ~~ Q40 0.020 0.004 0.004  
## 909 Q24 ~~ Q41 0.793 -0.031 -0.031  
## 910 Q25 ~~ Q26 1.305 0.054 0.054  
## 911 Q25 ~~ Q27 0.049 -0.008 -0.008  
## 912 Q25 ~~ Q28 0.714 -0.028 -0.028  
## 913 Q25 ~~ Q30 0.004 0.003 0.003  
## 914 Q25 ~~ Q31 1.965 0.058 0.058  
## 915 Q25 ~~ Q32 0.329 -0.024 -0.024  
## 916 Q25 ~~ Q33 0.284 0.023 0.023  
## 917 Q25 ~~ Q34 1.347 -0.046 -0.046  
## 918 Q25 ~~ Q35 0.100 0.009 0.009  
## 919 Q25 ~~ Q36 2.007 0.039 0.039  
## 920 Q25 ~~ Q37 0.303 -0.014 -0.014  
## 921 Q25 ~~ Q38 1.226 -0.026 -0.026  
## 922 Q25 ~~ Q39 0.849 0.033 0.033  
## 923 Q25 ~~ Q40 0.469 0.020 0.020  
## 924 Q25 ~~ Q41 0.034 0.006 0.006  
## 925 Q26 ~~ Q27 2.239 -0.071 -0.071  
## 926 Q26 ~~ Q28 5.045 -0.104 -0.104  
## 927 Q26 ~~ Q30 0.261 -0.024 -0.024  
## 928 Q26 ~~ Q31 0.000 0.000 0.000  
## 929 Q26 ~~ Q32 4.378 0.116 0.116  
## 930 Q26 ~~ Q33 1.861 -0.078 -0.078  
## 931 Q26 ~~ Q34 3.460 0.087 0.087  
## 932 Q26 ~~ Q35 0.010 0.004 0.004  
## 933 Q26 ~~ Q36 1.998 -0.052 -0.052  
## 934 Q26 ~~ Q37 0.359 -0.020 -0.020  
## 935 Q26 ~~ Q38 3.862 -0.061 -0.061  
## 936 Q26 ~~ Q39 0.259 -0.025 -0.025  
## 937 Q26 ~~ Q40 0.181 -0.017 -0.017  
## 938 Q26 ~~ Q41 9.597 0.138 0.138  
## 939 Q27 ~~ Q28 10.965 0.217 0.217  
## 940 Q27 ~~ Q30 0.315 -0.019 -0.019  
## 941 Q27 ~~ Q31 0.002 -0.002 -0.002  
## 942 Q27 ~~ Q32 0.728 0.033 0.033  
## 943 Q27 ~~ Q33 0.103 0.013 0.013  
## 944 Q27 ~~ Q34 0.306 0.020 0.020  
## 945 Q27 ~~ Q35 5.808 0.067 0.067  
## 946 Q27 ~~ Q36 0.581 -0.020 -0.020  
## 947 Q27 ~~ Q37 0.041 0.005 0.005  
## 948 Q27 ~~ Q38 2.208 -0.033 -0.033  
## 949 Q27 ~~ Q39 0.004 -0.002 -0.002  
## 950 Q27 ~~ Q40 0.282 0.015 0.015  
## 951 Q27 ~~ Q41 0.225 -0.015 -0.015  
## 952 Q28 ~~ Q30 2.061 0.048 0.048  
## 953 Q28 ~~ Q31 0.628 -0.027 -0.027  
## 954 Q28 ~~ Q32 0.359 -0.022 -0.022  
## 955 Q28 ~~ Q33 1.756 0.051 0.051  
## 956 Q28 ~~ Q34 7.214 -0.093 -0.093  
## 957 Q28 ~~ Q35 0.473 0.018 0.018  
## 958 Q28 ~~ Q36 3.983 0.049 0.049  
## 959 Q28 ~~ Q37 0.416 -0.014 -0.014  
## 960 Q28 ~~ Q38 2.363 -0.032 -0.032  
## 961 Q28 ~~ Q39 1.921 0.044 0.044  
## 962 Q28 ~~ Q40 3.246 0.047 0.047  
## 963 Q28 ~~ Q41 2.715 -0.048 -0.048  
## 964 Q30 ~~ Q31 0.007 -0.037 -0.037  
## 965 Q30 ~~ Q32 0.342 -0.024 -0.024  
## 966 Q30 ~~ Q33 0.110 0.014 0.014  
## 967 Q30 ~~ Q34 0.461 0.027 0.027  
## 968 Q30 ~~ Q35 0.333 -0.017 -0.017  
## 969 Q30 ~~ Q36 2.896 -0.046 -0.046  
## 970 Q30 ~~ Q37 1.052 -0.025 -0.025  
## 971 Q30 ~~ Q38 0.777 0.021 0.021  
## 972 Q30 ~~ Q39 1.518 0.044 0.044  
## 973 Q30 ~~ Q40 2.793 0.049 0.049  
## 974 Q30 ~~ Q41 0.401 0.021 0.021  
## 975 Q31 ~~ Q32 9.061 -0.133 -0.133  
## 976 Q31 ~~ Q33 12.692 0.163 0.163  
## 977 Q31 ~~ Q34 1.665 -0.050 -0.050  
## 978 Q31 ~~ Q35 0.273 -0.016 -0.016  
## 979 Q31 ~~ Q36 0.002 -0.001 -0.001  
## 980 Q31 ~~ Q37 1.214 0.029 0.029  
## 981 Q31 ~~ Q38 4.347 -0.052 -0.052  
## 982 Q31 ~~ Q39 1.140 0.041 0.041  
## 983 Q31 ~~ Q40 0.671 0.026 0.026  
## 984 Q31 ~~ Q41 0.220 -0.017 -0.017  
## 985 Q32 ~~ Q33 17.002 -0.211 -0.211  
## 986 Q32 ~~ Q34 6.695 0.138 0.138  
## 987 Q32 ~~ Q35 2.294 -0.052 -0.052  
## 988 Q32 ~~ Q36 2.084 0.046 0.046  
## 989 Q32 ~~ Q37 1.499 -0.035 -0.035  
## 990 Q32 ~~ Q38 0.163 -0.011 -0.011  
## 991 Q32 ~~ Q39 0.689 -0.035 -0.035  
## 992 Q32 ~~ Q40 0.245 0.017 0.017  
## 993 Q32 ~~ Q41 1.397 0.046 0.046  
## 994 Q33 ~~ Q34 0.104 0.021 0.021  
## 995 Q33 ~~ Q35 0.610 -0.028 -0.028  
## 996 Q33 ~~ Q36 0.009 -0.003 -0.003  
## 997 Q33 ~~ Q37 1.804 -0.040 -0.040  
## 998 Q33 ~~ Q38 1.646 0.036 0.036  
## 999 Q33 ~~ Q39 26.775 0.226 0.226  
## 1000 Q33 ~~ Q40 2.586 0.058 0.058  
## 1001 Q33 ~~ Q41 7.560 -0.110 -0.110  
## 1002 Q34 ~~ Q35 0.166 -0.012 -0.012  
## 1003 Q34 ~~ Q36 0.044 -0.006 -0.006  
## 1004 Q34 ~~ Q37 0.509 -0.018 -0.018  
## 1005 Q34 ~~ Q38 0.020 0.003 0.003  
## 1006 Q34 ~~ Q39 0.887 -0.033 -0.033  
## 1007 Q34 ~~ Q40 1.283 -0.033 -0.033  
## 1008 Q34 ~~ Q41 8.630 0.096 0.096  
## 1009 Q35 ~~ Q36 0.409 0.015 0.015  
## 1010 Q35 ~~ Q37 0.001 -0.001 -0.001  
## 1011 Q35 ~~ Q38 0.365 -0.013 -0.013  
## 1012 Q35 ~~ Q39 0.034 0.006 0.006  
## 1013 Q35 ~~ Q40 6.047 -0.062 -0.062  
## 1014 Q35 ~~ Q41 0.533 0.020 0.020  
## 1015 Q36 ~~ Q37 4.895 -0.045 -0.045  
## 1016 Q36 ~~ Q38 0.413 0.013 0.013  
## 1017 Q36 ~~ Q39 0.885 0.027 0.027  
## 1018 Q36 ~~ Q40 0.095 0.007 0.007  
## 1019 Q36 ~~ Q41 0.084 -0.007 -0.007  
## 1020 Q37 ~~ Q38 28.979 0.102 0.102  
## 1021 Q37 ~~ Q39 5.553 -0.060 -0.060  
## 1022 Q37 ~~ Q40 0.032 -0.004 -0.004  
## 1023 Q37 ~~ Q41 0.040 -0.005 -0.005  
## 1024 Q38 ~~ Q39 1.169 0.026 0.026  
## 1025 Q38 ~~ Q40 4.841 -0.044 -0.044  
## 1026 Q38 ~~ Q41 0.474 -0.015 -0.015  
## 1027 Q39 ~~ Q40 7.717 0.156 0.156  
## 1028 Q39 ~~ Q41 14.921 -0.166 -0.166  
## 1029 Q40 ~~ Q41 1.384 0.050 0.050  
## 1030 conhecimento ~~ atitude 0.009 0.052 0.052  
## 1031 conhecimento ~~ intençao.compra 3.585 -0.150 -0.150  
## 1032 confianca ~~ atitude 0.115 0.246 0.246  
## 1033 confianca ~~ intençao.compra 0.217 0.050 0.050  
## 1034 apoio.ambiental.animal ~~ atitude 0.007 0.011 0.011  
## 1035 apoio.ambiental.animal ~~ intençao.compra 1.583 -0.089 -0.089  
## 1036 apoio.social ~~ atitude 0.009 0.011 0.011  
## 1037 apoio.social ~~ intençao.compra 2.086 -0.095 -0.095  
## 1038 status ~~ atitude 0.122 -0.045 -0.045  
## 1039 status ~~ intençao.compra 0.094 0.025 0.025  
## 1040 sacrificio ~~ atitude 0.095 -0.051 -0.051  
## 1041 sacrificio ~~ intençao.compra 12.279 0.218 0.218  
## 1042 eficacia ~~ atitude 0.020 0.070 0.070  
## 1043 eficacia ~~ intençao.compra 0.287 0.050 0.050  
## 1044 preço ~~ atitude 0.007 0.032 0.032  
## 1045 preço ~~ intençao.compra 12.904 0.277 0.277  
## 1046 resistencia ~~ atitude 0.123 0.136 0.136  
## 1047 resistencia ~~ intençao.compra 1.043 0.073 0.073  
## 1048 atitude ~~ intençao.compra 25.544 -0.769 -0.769  
## 1049 atitude ~ intençao.compra 28.004 -0.765 -0.520  
## 1050 atitude ~ IDADE 4.849 -0.193 -0.088  
## 1051 atitude ~ RENDA 0.368 0.053 0.024  
## 1052 intençao.compra ~ conhecimento 0.848 0.092 0.062  
## 1053 intençao.compra ~ confianca 5.417 0.264 0.176  
## 1054 intençao.compra ~ apoio.social 2.070 0.201 0.134  
## 1055 intençao.compra ~ preço 46.428 0.643 0.429  
## 1056 intençao.compra ~ sacrificio 28.242 0.539 0.360  
## 1057 intençao.compra ~ eficacia 1.807 0.224 0.150  
## 1058 intençao.compra ~ resistencia 46.975 1.170 0.781  
## 1059 conhecimento ~ atitude 0.009 0.052 0.114  
## 1060 conhecimento ~ intençao.compra 1.821 -0.103 -0.154  
## 1067 conhecimento ~ IDADE 0.218 0.025 0.025  
## 1068 conhecimento ~ RENDA 3.556 0.101 0.101  
## 1069 confianca ~ atitude 0.114 0.245 0.540  
## 1070 confianca ~ intençao.compra 0.881 0.096 0.144  
## 1077 confianca ~ IDADE 1.279 0.081 0.081  
## 1078 confianca ~ RENDA 1.084 0.074 0.074  
## 1079 apoio.social ~ atitude 0.009 0.010 0.023  
## 1080 apoio.social ~ intençao.compra 2.225 -0.088 -0.131  
## 1087 apoio.social ~ IDADE 0.080 0.012 0.012  
## 1088 apoio.social ~ RENDA 2.615 -0.070 -0.070  
## 1089 preço ~ atitude 0.007 0.032 0.071  
## 1090 preço ~ intençao.compra 15.745 0.292 0.438  
## 1097 preço ~ IDADE 3.878 0.103 0.103  
## 1098 preço ~ RENDA 0.098 0.016 0.016  
## 1099 sacrificio ~ atitude 0.095 -0.051 -0.113  
## 1100 sacrificio ~ intençao.compra 12.741 0.207 0.310  
## 1107 sacrificio ~ IDADE 0.868 0.039 0.039  
## 1108 sacrificio ~ RENDA 0.519 0.030 0.030  
## 1109 eficacia ~ atitude 0.020 0.070 0.154  
## 1110 eficacia ~ intençao.compra 0.601 0.069 0.104  
## 1117 eficacia ~ IDADE 0.545 -0.045 -0.045  
## 1118 eficacia ~ RENDA 5.267 0.140 0.140  
## 1119 resistencia ~ atitude 0.123 0.136 0.299  
## 1120 resistencia ~ intençao.compra 0.380 0.042 0.063  
## 1127 resistencia ~ IDADE 0.148 -0.018 -0.018  
## 1128 resistencia ~ RENDA 2.326 -0.070 -0.070  
## 1129 IDADE ~ atitude 0.142 0.012 0.027  
## 1130 IDADE ~ intençao.compra 0.142 0.025 0.037  
## 1131 IDADE ~ conhecimento 6.622 0.192 0.192  
## 1132 IDADE ~ confianca 1.002 0.088 0.088  
## 1133 IDADE ~ apoio.social 3.122 0.129 0.129  
## 1134 IDADE ~ preço 15.623 0.296 0.296  
## 1135 IDADE ~ sacrificio 15.576 0.290 0.290  
## 1136 IDADE ~ eficacia 0.000 -0.001 -0.001  
## 1137 IDADE ~ resistencia 4.009 0.147 0.147  
## 1139 RENDA ~ atitude 1.624 -0.042 -0.092  
## 1140 RENDA ~ intençao.compra 1.624 -0.084 -0.126  
## 1141 RENDA ~ conhecimento 0.337 0.044 0.044  
## 1142 RENDA ~ confianca 9.672 0.276 0.276  
## 1143 RENDA ~ apoio.social 8.374 -0.215 -0.215  
## 1144 RENDA ~ preço 0.280 0.040 0.040  
## 1145 RENDA ~ sacrificio 1.741 -0.098 -0.098  
## 1146 RENDA ~ eficacia 0.129 0.029 0.029  
## 1147 RENDA ~ resistencia 1.636 -0.095 -0.095  
## sepc.all sepc.nox  
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## 130 -0.018 -0.018  
## 131 -0.002 -0.002  
## 132 -0.090 -0.090  
## 133 0.247 0.247  
## 134 -0.055 -0.055  
## 135 -0.146 -0.146  
## 136 -0.122 -0.122  
## 137 0.000 0.000  
## 138 0.171 0.171  
## 139 0.000 0.000  
## 140 -0.069 -0.069  
## 141 0.066 0.066  
## 142 -0.128 -0.128  
## 143 0.030 0.030  
## 144 -0.012 -0.012  
## 145 0.455 0.455  
## 146 0.085 0.085  
## 147 -0.347 -0.347  
## 148 -0.076 -0.076  
## 149 0.062 0.062  
## 150 -0.002 -0.002  
## 151 -0.024 -0.024  
## 152 0.026 0.026  
## 153 0.057 0.057  
## 154 -0.100 -0.100  
## 155 0.007 0.007  
## 156 -0.003 -0.003  
## 157 0.052 0.052  
## 158 -0.035 -0.035  
## 159 0.058 0.058  
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## 163 0.093 0.093  
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## 166 0.028 0.028  
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## 168 0.107 0.107  
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## 170 -0.104 -0.104  
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## 172 0.057 0.057  
## 173 0.051 0.051  
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## 175 0.110 0.110  
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## 177 -0.011 -0.011  
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## 179 -0.086 -0.086  
## 180 0.070 0.070  
## 181 -0.216 -0.216  
## 182 0.248 0.248  
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## 184 -0.039 -0.039  
## 185 -0.014 -0.014  
## 186 -0.074 -0.074  
## 187 0.000 0.000  
## 188 0.027 0.027  
## 189 0.101 0.101  
## 190 0.006 0.006  
## 191 0.045 0.045  
## 192 0.090 0.090  
## 193 -0.145 -0.145  
## 194 0.057 0.057  
## 195 0.024 0.024  
## 196 -0.085 -0.085  
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## 208 -0.325 -0.325  
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## 211 0.201 0.201  
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## 213 0.204 0.204  
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## 215 -0.054 -0.054  
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## 217 -0.169 -0.169  
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## 229 0.219 0.219  
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## 620 0.071 0.071  
## 621 -0.167 -0.167  
## 622 -0.062 -0.062  
## 623 0.140 0.140  
## 624 -0.037 -0.037  
## 625 0.001 0.001  
## 626 -0.030 -0.030  
## 627 -0.113 -0.113  
## 628 -0.103 -0.103  
## 629 0.006 0.006  
## 630 0.113 0.113  
## 631 -0.090 -0.090  
## 632 0.116 0.116  
## 633 -0.082 -0.082  
## 634 0.021 0.021  
## 635 -0.021 -0.021  
## 636 0.113 0.113  
## 637 -0.124 -0.124  
## 638 -0.020 -0.020  
## 639 -0.006 -0.006  
## 640 -0.143 -0.143  
## 641 0.173 0.173  
## 642 -0.045 -0.045  
## 643 0.142 0.142  
## 644 -0.194 -0.194  
## 645 0.064 0.064  
## 646 0.040 0.040  
## 647 0.026 0.026  
## 648 0.094 0.094  
## 649 0.031 0.031  
## 650 -0.079 -0.079  
## 651 -0.050 -0.050  
## 652 0.000 0.000  
## 653 0.049 0.049  
## 654 0.075 0.075  
## 655 0.072 0.072  
## 656 -0.096 -0.096  
## 657 0.048 0.048  
## 658 0.148 0.148  
## 659 0.158 0.158  
## 660 -0.201 -0.201  
## 661 0.081 0.081  
## 662 0.008 0.008  
## 663 -0.006 -0.006  
## 664 0.050 0.050  
## 665 -0.004 -0.004  
## 666 -0.120 -0.120  
## 667 -0.090 -0.090  
## 668 0.012 0.012  
## 669 0.167 0.167  
## 670 -0.154 -0.154  
## 671 0.036 0.036  
## 672 0.060 0.060  
## 673 0.134 0.134  
## 674 -0.055 -0.055  
## 675 -0.070 -0.070  
## 676 -0.020 -0.020  
## 677 -0.087 -0.087  
## 678 0.007 0.007  
## 679 -0.066 -0.066  
## 680 -0.052 -0.052  
## 681 -0.114 -0.114  
## 682 0.009 0.009  
## 683 -0.118 -0.118  
## 684 -0.063 -0.063  
## 685 -0.058 -0.058  
## 686 0.109 0.109  
## 687 0.186 0.186  
## 688 -0.032 -0.032  
## 689 0.283 0.283  
## 690 0.230 0.230  
## 691 -0.144 -0.144  
## 692 -0.029 -0.029  
## 693 0.266 0.266  
## 694 -0.079 -0.079  
## 695 -0.023 -0.023  
## 696 -0.001 -0.001  
## 697 0.026 0.026  
## 698 -0.095 -0.095  
## 699 -0.021 -0.021  
## 700 -0.029 -0.029  
## 701 -0.042 -0.042  
## 702 -0.028 -0.028  
## 703 0.075 0.075  
## 704 0.059 0.059  
## 705 -0.002 -0.002  
## 706 0.106 0.106  
## 707 0.026 0.026  
## 708 0.053 0.053  
## 709 0.029 0.029  
## 710 -0.164 -0.164  
## 711 -0.001 -0.001  
## 712 -0.078 -0.078  
## 713 -0.213 -0.213  
## 714 0.008 0.008  
## 715 0.065 0.065  
## 716 0.103 0.103  
## 717 -0.145 -0.145  
## 718 -0.105 -0.105  
## 719 -0.056 -0.056  
## 720 0.065 0.065  
## 721 -0.122 -0.122  
## 722 0.119 0.119  
## 723 0.113 0.113  
## 724 -0.069 -0.069  
## 725 0.117 0.117  
## 726 0.017 0.017  
## 727 -0.048 -0.048  
## 728 -0.151 -0.151  
## 729 0.042 0.042  
## 730 0.108 0.108  
## 731 0.066 0.066  
## 732 -0.144 -0.144  
## 733 0.000 0.000  
## 734 -0.009 -0.009  
## 735 0.037 0.037  
## 736 0.014 0.014  
## 737 0.010 0.010  
## 738 -0.177 -0.177  
## 739 -0.046 -0.046  
## 740 0.013 0.013  
## 741 0.165 0.165  
## 742 0.031 0.031  
## 743 -0.033 -0.033  
## 744 -0.088 -0.088  
## 745 -0.062 -0.062  
## 746 0.008 0.008  
## 747 0.035 0.035  
## 748 -0.032 -0.032  
## 749 0.091 0.091  
## 750 0.063 0.063  
## 751 -0.141 -0.141  
## 752 0.088 0.088  
## 753 -0.025 -0.025  
## 754 -0.041 -0.041  
## 755 -0.012 -0.012  
## 756 0.064 0.064  
## 757 0.052 0.052  
## 758 -0.174 -0.174  
## 759 0.002 0.002  
## 760 -0.089 -0.089  
## 761 0.008 0.008  
## 762 0.173 0.173  
## 763 -0.049 -0.049  
## 764 0.014 0.014  
## 765 -0.008 -0.008  
## 766 -0.138 -0.138  
## 767 0.042 0.042  
## 768 -0.117 -0.117  
## 769 0.031 0.031  
## 770 0.107 0.107  
## 771 0.000 0.000  
## 772 0.003 0.003  
## 773 0.018 0.018  
## 774 -0.114 -0.114  
## 775 0.036 0.036  
## 776 0.010 0.010  
## 777 0.043 0.043  
## 778 0.022 0.022  
## 779 0.023 0.023  
## 780 0.028 0.028  
## 781 0.006 0.006  
## 782 0.208 0.208  
## 783 -0.062 -0.062  
## 784 0.024 0.024  
## 785 0.040 0.040  
## 786 -0.031 -0.031  
## 787 -0.085 -0.085  
## 788 0.195 0.195  
## 789 -0.036 -0.036  
## 790 -0.016 -0.016  
## 791 -0.075 -0.075  
## 792 -0.063 -0.063  
## 793 -0.093 -0.093  
## 794 0.170 0.170  
## 795 -0.138 -0.138  
## 796 -0.113 -0.113  
## 797 -0.025 -0.025  
## 798 0.247 0.247  
## 799 0.004 0.004  
## 800 -0.024 -0.024  
## 801 0.028 0.028  
## 802 -0.121 -0.121  
## 803 0.051 0.051  
## 804 -0.112 -0.112  
## 805 0.101 0.101  
## 806 -0.054 -0.054  
## 807 -0.111 -0.111  
## 808 -0.078 -0.078  
## 809 0.092 0.092  
## 810 0.067 0.067  
## 811 0.004 0.004  
## 812 0.143 0.143  
## 813 0.038 0.038  
## 814 0.018 0.018  
## 815 -0.034 -0.034  
## 816 -0.037 -0.037  
## 817 0.018 0.018  
## 818 -0.047 -0.047  
## 819 0.116 0.116  
## 820 0.157 0.157  
## 821 -0.011 -0.011  
## 822 -0.069 -0.069  
## 823 0.167 0.167  
## 824 -0.099 -0.099  
## 825 0.079 0.079  
## 826 -0.248 -0.248  
## 827 -0.008 -0.008  
## 828 -0.084 -0.084  
## 829 0.048 0.048  
## 830 0.111 0.111  
## 831 -0.009 -0.009  
## 832 0.061 0.061  
## 833 -0.026 -0.026  
## 834 0.074 0.074  
## 835 -0.099 -0.099  
## 836 -0.084 -0.084  
## 837 0.040 0.040  
## 838 -0.012 -0.012  
## 839 0.054 0.054  
## 840 -0.264 -0.264  
## 841 -0.017 -0.017  
## 842 -0.161 -0.161  
## 843 0.063 0.063  
## 844 -0.093 -0.093  
## 845 -0.096 -0.096  
## 846 0.102 0.102  
## 847 0.088 0.088  
## 848 -0.020 -0.020  
## 849 -0.091 -0.091  
## 850 0.089 0.089  
## 851 -0.139 -0.139  
## 852 0.081 0.081  
## 853 0.102 0.102  
## 854 -0.112 -0.112  
## 855 0.010 0.010  
## 856 0.144 0.144  
## 857 0.025 0.025  
## 858 -0.155 -0.155  
## 859 0.060 0.060  
## 860 0.093 0.093  
## 861 -0.066 -0.066  
## 862 -0.034 -0.034  
## 863 0.160 0.160  
## 864 0.096 0.096  
## 865 0.036 0.036  
## 866 -0.058 -0.058  
## 867 0.001 0.001  
## 868 -0.006 -0.006  
## 869 0.036 0.036  
## 870 -0.010 -0.010  
## 871 -0.068 -0.068  
## 872 -0.004 -0.004  
## 873 0.085 0.085  
## 874 -0.054 -0.054  
## 875 -0.031 -0.031  
## 876 0.022 0.022  
## 877 0.006 0.006  
## 878 -0.061 -0.061  
## 879 0.144 0.144  
## 880 -0.048 -0.048  
## 881 -0.025 -0.025  
## 882 -0.005 -0.005  
## 883 0.065 0.065  
## 884 0.006 0.006  
## 885 0.024 0.024  
## 886 0.107 0.107  
## 887 -0.060 -0.060  
## 888 0.020 0.020  
## 889 -0.067 -0.067  
## 890 -0.118 -0.118  
## 891 -0.010 -0.010  
## 892 -0.027 -0.027  
## 893 0.066 0.066  
## 894 -0.004 -0.004  
## 895 0.075 0.075  
## 896 -0.116 -0.116  
## 897 0.133 0.133  
## 898 -0.083 -0.083  
## 899 -0.061 -0.061  
## 900 0.216 0.216  
## 901 -0.005 -0.005  
## 902 -0.044 -0.044  
## 903 -0.014 -0.014  
## 904 0.022 0.022  
## 905 -0.057 -0.057  
## 906 -0.022 -0.022  
## 907 0.058 0.058  
## 908 0.013 0.013  
## 909 -0.068 -0.068  
## 910 0.085 0.085  
## 911 -0.019 -0.019  
## 912 -0.074 -0.074  
## 913 0.008 0.008  
## 914 0.124 0.124  
## 915 -0.043 -0.043  
## 916 0.041 0.041  
## 917 -0.120 -0.120  
## 918 0.024 0.024  
## 919 0.110 0.110  
## 920 -0.044 -0.044  
## 921 -0.094 -0.094  
## 922 0.074 0.074  
## 923 0.062 0.062  
## 924 0.014 0.014  
## 925 -0.112 -0.112  
## 926 -0.178 -0.178  
## 927 -0.047 -0.047  
## 928 0.000 0.000  
## 929 0.136 0.136  
## 930 -0.090 -0.090  
## 931 0.148 0.148  
## 932 0.007 0.007  
## 933 -0.095 -0.095  
## 934 -0.041 -0.041  
## 935 -0.143 -0.143  
## 936 -0.036 -0.036  
## 937 -0.034 -0.034  
## 938 0.210 0.210  
## 939 0.582 0.582  
## 940 -0.059 -0.059  
## 941 -0.004 -0.004  
## 942 0.061 0.061  
## 943 0.023 0.023  
## 944 0.052 0.052  
## 945 0.175 0.175  
## 946 -0.056 -0.056  
## 947 0.015 0.015  
## 948 -0.121 -0.121  
## 949 -0.005 -0.005  
## 950 0.046 0.046  
## 951 -0.035 -0.035  
## 952 0.160 0.160  
## 953 -0.063 -0.063  
## 954 -0.044 -0.044  
## 955 0.099 0.099  
## 956 -0.267 -0.267  
## 957 0.051 0.051  
## 958 0.152 0.152  
## 959 -0.050 -0.050  
## 960 -0.129 -0.129  
## 961 0.109 0.109  
## 962 0.159 0.159  
## 963 -0.124 -0.124  
## 964 -0.100 -0.100  
## 965 -0.055 -0.055  
## 966 0.032 0.032  
## 967 0.090 0.090  
## 968 -0.055 -0.055  
## 969 -0.165 -0.165  
## 970 -0.102 -0.102  
## 971 0.094 0.094  
## 972 0.123 0.123  
## 973 0.188 0.188  
## 974 0.061 0.061  
## 975 -0.214 -0.214  
## 976 0.257 0.257  
## 977 -0.116 -0.116  
## 978 -0.038 -0.038  
## 979 -0.003 -0.003  
## 980 0.082 0.082  
## 981 -0.166 -0.166  
## 982 0.082 0.082  
## 983 0.071 0.071  
## 984 -0.035 -0.035  
## 985 -0.283 -0.283  
## 986 0.272 0.272  
## 987 -0.102 -0.102  
## 988 0.099 0.099  
## 989 -0.085 -0.085  
## 990 -0.030 -0.030  
## 991 -0.059 -0.059  
## 992 0.040 0.040  
## 993 0.081 0.081  
## 994 0.040 0.040  
## 995 -0.053 -0.053  
## 996 -0.007 -0.007  
## 997 -0.095 -0.095  
## 998 0.097 0.097  
## 999 0.374 0.374  
## 1000 0.131 0.131  
## 1001 -0.191 -0.191  
## 1002 -0.034 -0.034  
## 1003 -0.018 -0.018  
## 1004 -0.062 -0.062  
## 1005 0.013 0.013  
## 1006 -0.081 -0.081  
## 1007 -0.110 -0.110  
## 1008 0.243 0.243  
## 1009 0.047 0.047  
## 1010 -0.003 -0.003  
## 1011 -0.050 -0.050  
## 1012 0.014 0.014  
## 1013 -0.204 -0.204  
## 1014 0.051 0.051  
## 1015 -0.172 -0.172  
## 1016 0.056 0.056  
## 1017 0.070 0.070  
## 1018 0.026 0.026  
## 1019 -0.021 -0.021  
## 1020 0.495 0.495  
## 1021 -0.179 -0.179  
## 1022 -0.015 -0.015  
## 1023 -0.015 -0.015  
## 1024 0.088 0.088  
## 1025 -0.204 -0.204  
## 1026 -0.053 -0.053  
## 1027 0.444 0.444  
## 1028 -0.363 -0.363  
## 1029 0.149 0.149  
## 1030 0.052 0.052  
## 1031 -0.150 -0.150  
## 1032 0.246 0.246  
## 1033 0.050 0.050  
## 1034 0.011 0.011  
## 1035 -0.089 -0.089  
## 1036 0.011 0.011  
## 1037 -0.095 -0.095  
## 1038 -0.045 -0.045  
## 1039 0.025 0.025  
## 1040 -0.051 -0.051  
## 1041 0.218 0.218  
## 1042 0.070 0.070  
## 1043 0.050 0.050  
## 1044 0.032 0.032  
## 1045 0.277 0.277  
## 1046 0.136 0.136  
## 1047 0.073 0.073  
## 1048 -0.769 -0.769  
## 1049 -0.520 -0.520  
## 1050 -0.098 -0.088  
## 1051 0.027 0.024  
## 1052 0.062 0.062  
## 1053 0.176 0.176  
## 1054 0.134 0.134  
## 1055 0.429 0.429  
## 1056 0.360 0.360  
## 1057 0.150 0.150  
## 1058 0.781 0.781  
## 1059 0.114 0.114  
## 1060 -0.154 -0.154  
## 1067 0.028 0.025  
## 1068 0.114 0.101  
## 1069 0.540 0.540  
## 1070 0.144 0.144  
## 1077 0.091 0.081  
## 1078 0.084 0.074  
## 1079 0.023 0.023  
## 1080 -0.131 -0.131  
## 1087 0.014 0.012  
## 1088 -0.079 -0.070  
## 1089 0.071 0.071  
## 1090 0.438 0.438  
## 1097 0.115 0.103  
## 1098 0.018 0.016  
## 1099 -0.113 -0.113  
## 1100 0.310 0.310  
## 1107 0.043 0.039  
## 1108 0.034 0.030  
## 1109 0.154 0.154  
## 1110 0.104 0.104  
## 1117 -0.051 -0.045  
## 1118 0.158 0.140  
## 1119 0.299 0.299  
## 1120 0.063 0.063  
## 1127 -0.020 -0.018  
## 1128 -0.079 -0.070  
## 1129 0.024 0.024  
## 1130 0.033 0.033  
## 1131 0.172 0.172  
## 1132 0.079 0.079  
## 1133 0.116 0.116  
## 1134 0.265 0.265  
## 1135 0.260 0.260  
## 1136 -0.001 -0.001  
## 1137 0.132 0.132  
## 1139 -0.082 -0.082  
## 1140 -0.112 -0.112  
## 1141 0.039 0.039  
## 1142 0.244 0.244  
## 1143 -0.189 -0.189  
## 1144 0.035 0.035  
## 1145 -0.087 -0.087  
## 1146 0.025 0.025  
## 1147 -0.084 -0.084

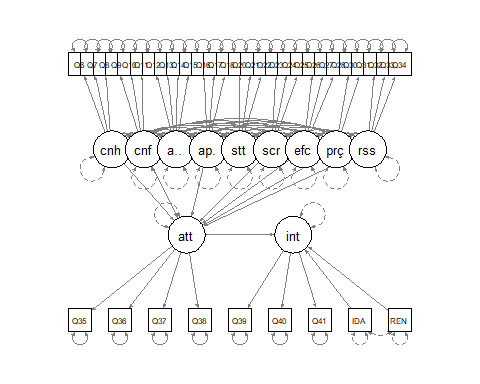
Os parâmetros que poderiam ser adicionados e não criariam recursividade, redundância ou variáveis complexas: questão 29, Gênero e Escolaridade, e os constructos “Apoio a causas ambientais e animais” e “Status”, não são adições sugeridas.

É sugerido que o responsável pelos dados ou quem lidará com os resultados do modelo ajustado avalie a possibilidade de torná-lo mais restrito, mantendo apenas os parâmetros mais significantes (conforme o comumente recomendado marco de p-valor igual ou menor que 0,05).

Diagrama de caminhos

semPaths(mfitmoda5)

## Warning in abbreviate(Labels, nCharNodes): abbreaviate usado com caracteres  
## não-ASCII



Em comparação ao modelo proposto inicialmente, apenas algumas exclusões foram feitas e nenhuma das variáveis foi reincluída. “Atitude” não é mais causada por “apoio a causas ambientes e animais” nem “status”. Não há variável latente que componha a questão 29: “Eu não estou disposto a ter um esforço extra para continuar buscando uma camiseta com preço menor”, mostrando-se desconexa do construto “consciência de preço”. “Intenção de compra” ainda é causada por “atitude”, “idade”" e “renda”“, mas as variáveis”gênero" e “escolaridade” não foram relevantes.

Quanto maiores o conhecimento de moda sustentável, o apoio a causas sociais, consciência de preço, percepção de eficácia e resistência à mudança, e menores a confiança no mercado de moda atual e sacrifício pessoal, maior o nível de atitude do respondente. Quanto maiores a atitude, a idade e a renda do respondente, maior será a intenção de compra.

Como “resistência à mudança” foi determinante para a “atitude”, supõe-se que os respondentes já tenham a atitude esperada e a resistência medida seria a resistência a mudá-la.

As questões referentes a “sacrifício pessoal” são inversas ao que significa. Na prática, esse fator mede a falta de sacrifício pessoal. Quanto menor, maior o sacrifício pessoal.