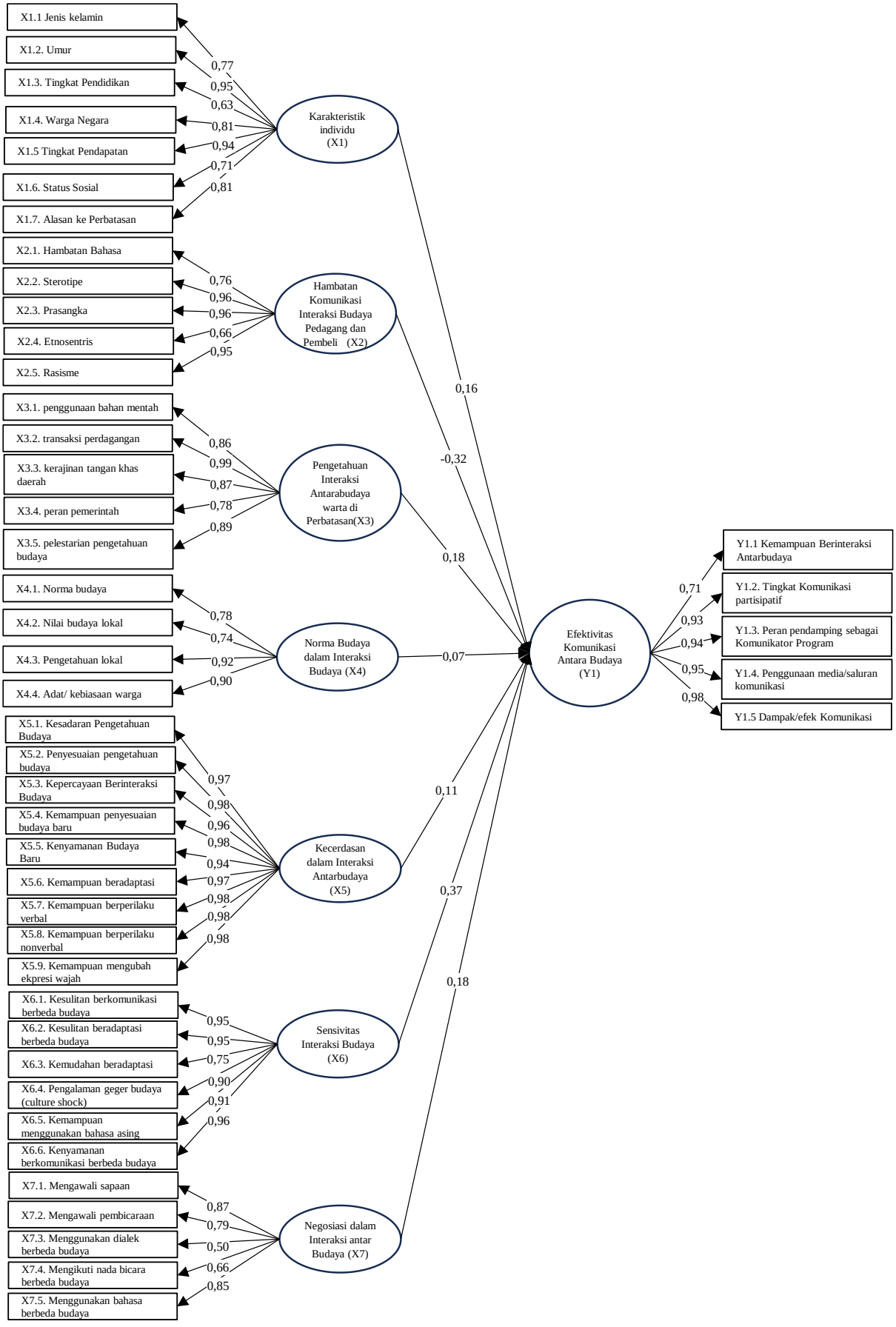
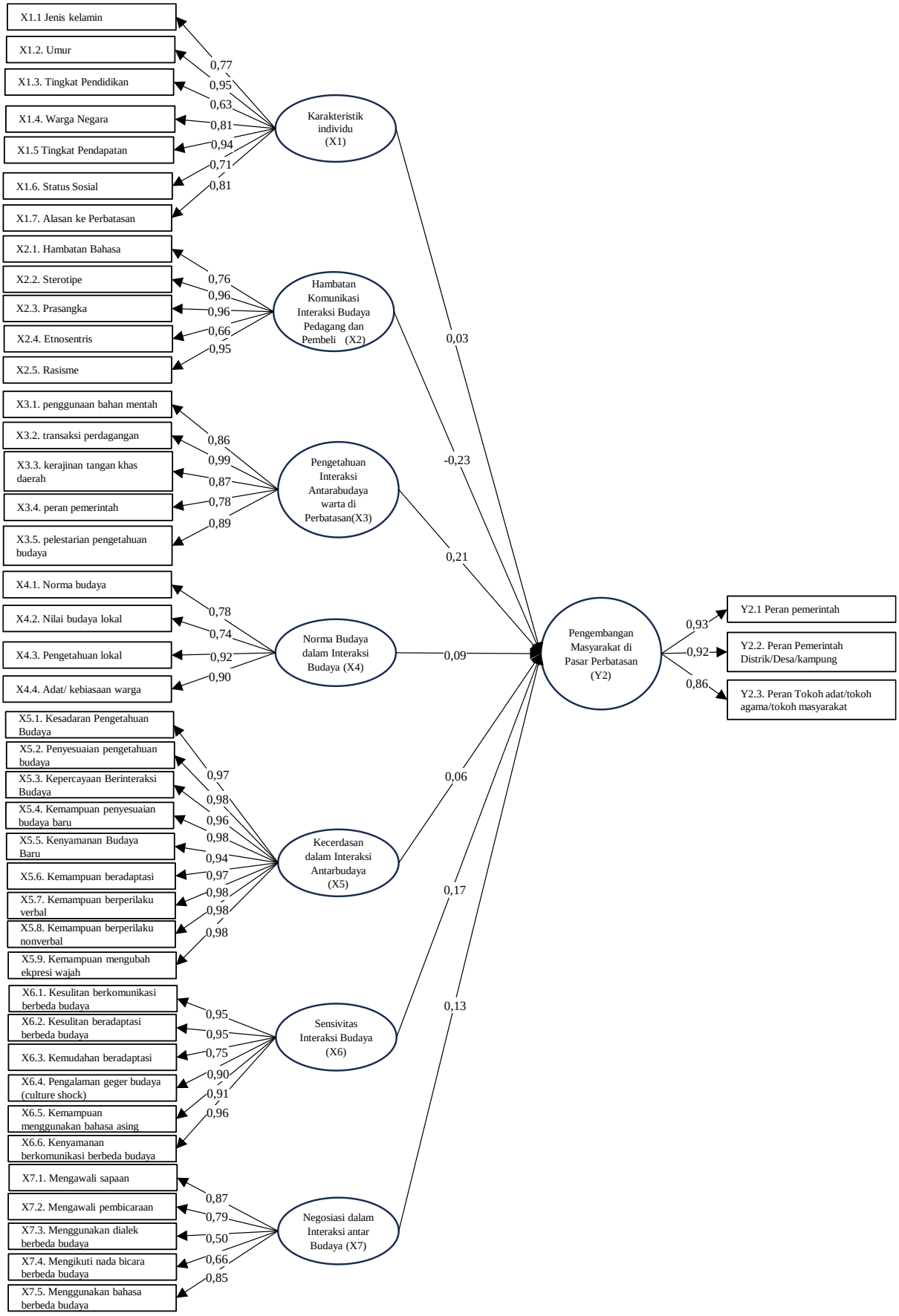
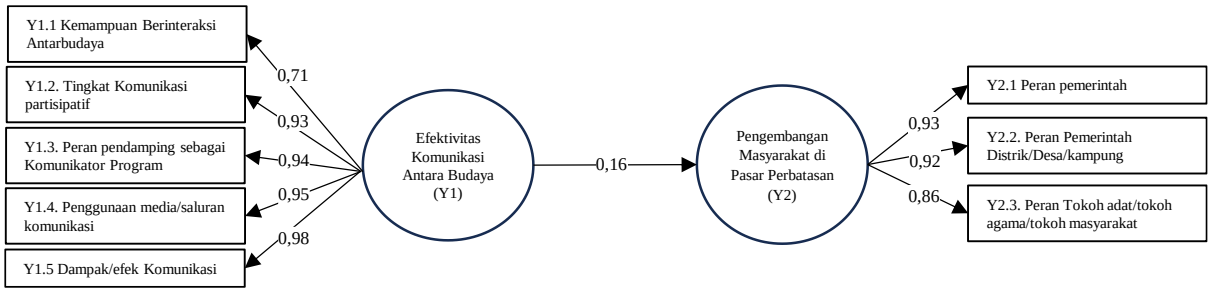
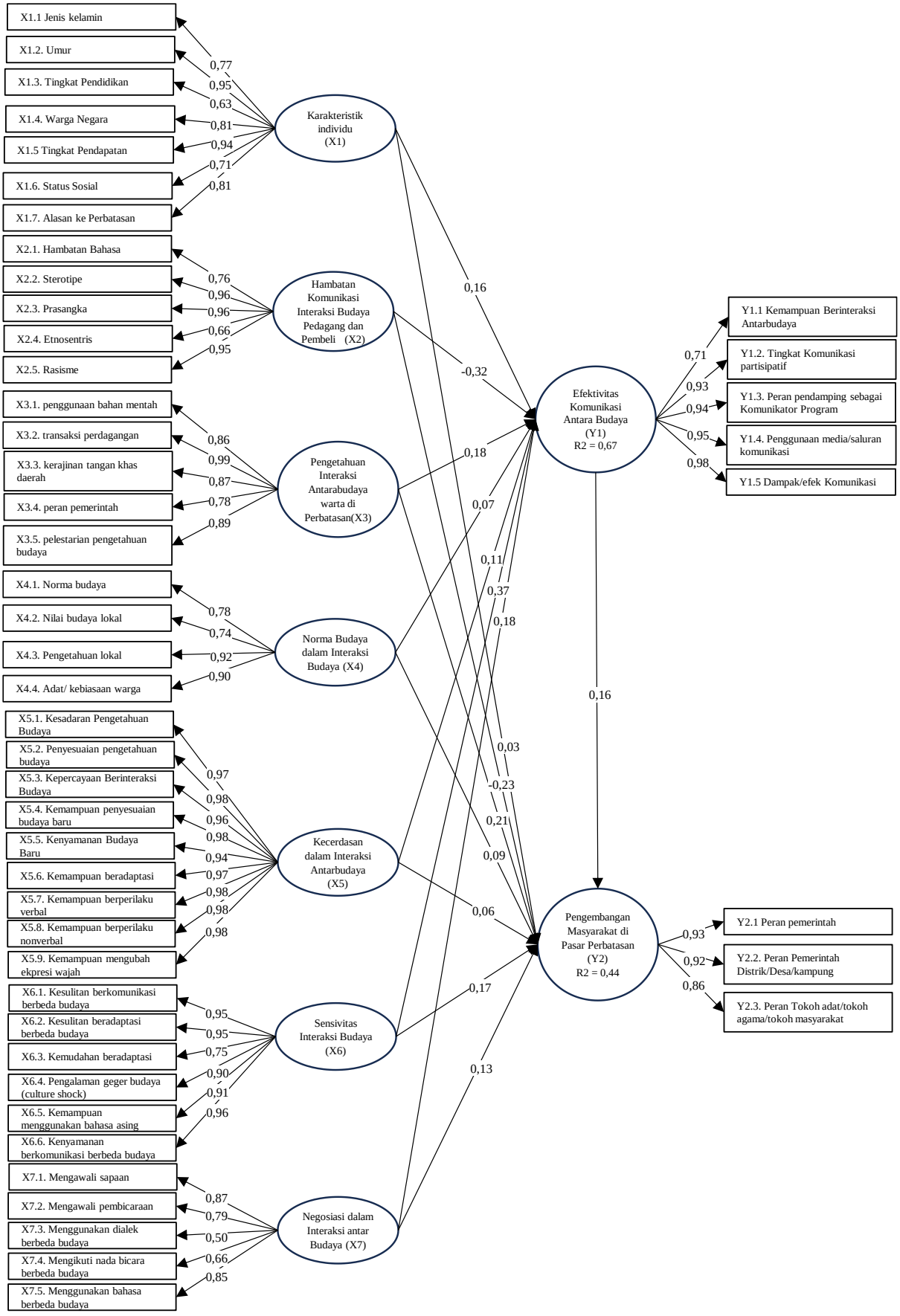
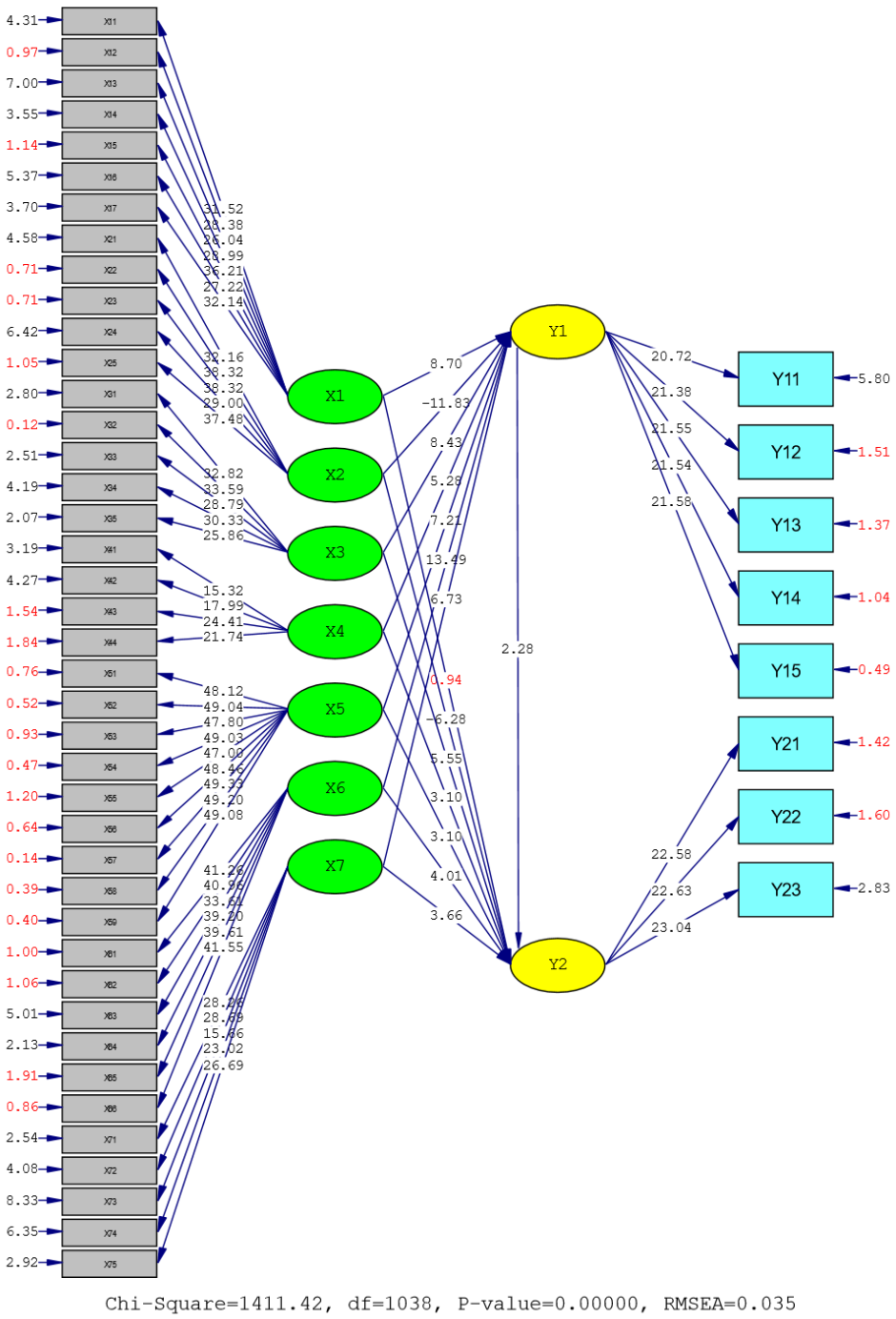

X1.1 Jenis kelamin
X1.2. Umur
X1.3. Tingkat Pendidikan
X1.4. Warga Negara
X1.5 Tingkat Pendapatan
X1.6. Status Sosial
X1.7. Alasan ke Perbatasan
0,77
0,95
0,63
0,81
0,94
0,71
0,81
Karakteristik individu (X1)
X2.1. Hambatan Bahasa
X2.2. Sterotipe
X2.3. Prasangka
X2.4. Etnosentris
X2.5. Rasisme
0,76
0,96
0,96
0,66
0,95
Hambatan Komunikasi Interaksi Budaya Pedagang dan Pembeli (X2)
X3.1. penggunaan bahan mentah
X3.2. transaksi perdagangan
X3.3. kerajinan tangan khas daerah
X3.4. peran pemerintah
X3.5. pelestarian pengetahuan budaya
0,86
0,99
0,87
0,78
0,89
Pengetahuan Interaksi Antarabudaya warta di Perbatasan(X3)
X4.1. Norma budaya
X4.2. Nilai budaya lokal
X4.3. Pengetahuan lokal
X4.4. Adat/ kebiasaan warga
0,78
0,74
0,92
0,90
Norma Budaya dalam Interaksi Budaya (X4)
X5.1. Kesadaran Pengetahuan Budaya
X5.2. Penyesuaian pengetahuan budaya
X5.3. Kepercayaan Berinteraksi Budaya
X5.4. Kemampuan penyesuaian budaya baru
X5.5. Kenyamanan Budaya Baru
X5.6. Kemampuan beradaptasi
X5.7. Kemampuan berperilaku verbal
X5.8. Kemampuan berperilaku nonverbal
X5.9. Kemampuan mengubah ekpresi wajah
0,97
0,98
0,96
0,98
0,94
0,97
0,98
0,98
0,98
Kecerdasan dalam Interaksi Antarbudaya (X5)
X6.1. Kesulitan berkomunikasi berbeda budaya
X6.2. Kesulitan beradaptasi berbeda budaya
X6.3. Kemudahan beradaptasi
X6.4. Pengalaman geger budaya (culture shock)
X6.5. Kemampuan menggunakan bahasa asing
X6.6. Kenyamanan berkomunikasi berbeda budaya
0,95
0,95
0,75
0,90
0,91
0,96
Sensivitas Interaksi Budaya (X6)
X7.1. Mengawali sapaan
X7.2. Mengawali pembicaraan
X7.3. Menggunakan dialek berbeda budaya
X7.4. Mengikuti nada bicara berbeda budaya
X7.5. Menggunakan bahasa berbeda budaya
0,87
0,79
0,50
0,66
0,85
Negosiasi dalam Interaksi antar Budaya (X7)
0,16
-0,32
0,18
0,07
0,11
0,37
0,18
Efektivitas Komunikasi Antara Budaya (Y1)
0,71
0,93
0,94
0,95
0,98
Y1.1 Kemampuan Berinteraksi Antarbudaya
Y1.2. Tingkat Komunikasi partisipatif
Y1.3. Peran pendamping sebagai Komunikator Program
Y1.4. Penggunaan media/saluran komunikasi
Y1.5 Dampak/efek Komunikasi

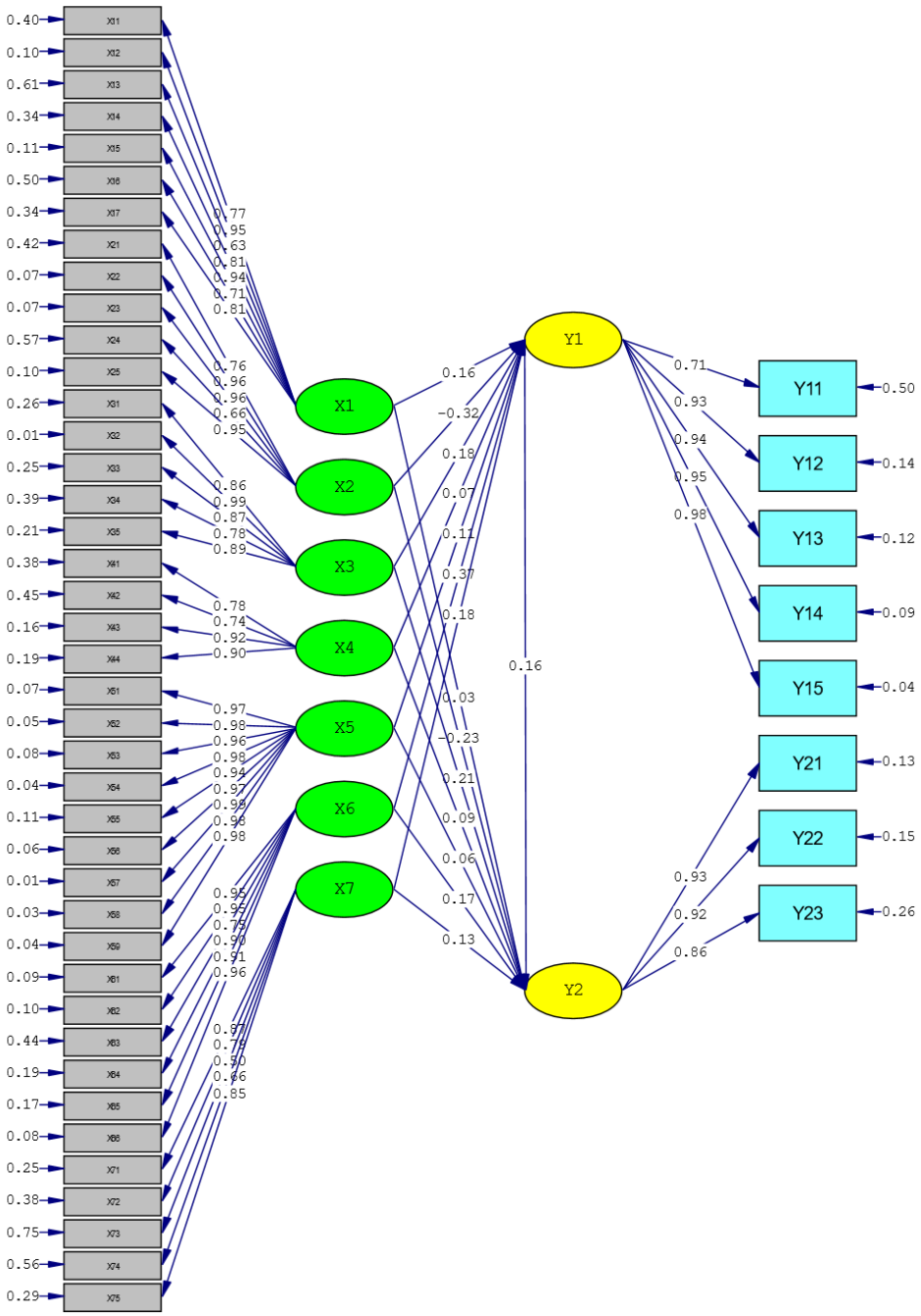

X1.1 Jenis kelamin
X1.2. Umur
X1.3. Tingkat Pendidikan
X1.4. Warga Negara
X1.5 Tingkat Pendapatan
X1.6. Status Sosial
X1.7. Alasan ke Perbatasan
0,77
0,95
0,63
0,81
0,94
0,71
0,81
Karakteristik individu (X1)
X2.1. Hambatan Bahasa
X2.2. Sterotipe
X2.3. Prasangka
X2.4. Etnosentris
X2.5. Rasisme
0,76
0,96
0,96
0,66
0,95
Hambatan Komunikasi Interaksi Budaya Pedagang dan Pembeli (X2)
X3.1. penggunaan bahan mentah
X3.2. transaksi perdagangan
X3.3. kerajinan tangan khas daerah
X3.4. peran pemerintah
X3.5. pelestarian pengetahuan budaya
0,86
0,99
0,87
0,78
0,89
Pengetahuan Interaksi Antarabudaya warta di Perbatasan(X3)
X4.1. Norma budaya
X4.2. Nilai budaya lokal
X4.3. Pengetahuan lokal
X4.4. Adat/ kebiasaan warga
0,78
0,74
0,92
0,90
Norma Budaya dalam Interaksi Budaya (X4)
X5.1. Kesadaran Pengetahuan Budaya
X5.2. Penyesuaian pengetahuan budaya
X5.3. Kepercayaan Berinteraksi Budaya
X5.4. Kemampuan penyesuaian budaya baru
X5.5. Kenyamanan Budaya Baru
X5.6. Kemampuan beradaptasi
X5.7. Kemampuan berperilaku verbal
X5.8. Kemampuan berperilaku nonverbal
X5.9. Kemampuan mengubah ekpresi wajah
0,97
0,98
0,96
0,98
0,94
0,97
0,98
0,98
0,98
Kecerdasan dalam Interaksi Antarbudaya (X5)
X6.1. Kesulitan berkomunikasi berbeda budaya
X6.2. Kesulitan beradaptasi berbeda budaya
X6.3. Kemudahan beradaptasi
X6.4. Pengalaman geger budaya (culture shock)
X6.5. Kemampuan menggunakan bahasa asing
X6.6. Kenyamanan berkomunikasi berbeda budaya
0,95
0,95
0,75
0,90
0,91
0,96
Sensivitas Interaksi Budaya (X6)
X7.1. Mengawali sapaan
X7.2. Mengawali pembicaraan
X7.3. Menggunakan dialek berbeda budaya
X7.4. Mengikuti nada bicara berbeda budaya
X7.5. Menggunakan bahasa berbeda budaya
0,87
0,79
0,50
0,66
0,85
Negosiasi dalam Interaksi antar Budaya (X7)
0,03
-0,23
0,21
0,09
0,06
0,17
0,13
Pengembangan Masyarakat di Pasar Perbatasan (Y2)
0,93
0,92
0,86
Y2.1 Peran pemerintah
Y2.2. Peran Pemerintah Distrik/Desa/kampung
Y2.3. Peran Tokoh adat/tokoh agama/tokoh masyarakat


Y1.1 Kemampuan Berinteraksi Antarbudaya
Y1.2. Tingkat Komunikasi partisipatif
Y1.3. Peran pendamping sebagai Komunikator Program
Y1.4. Penggunaan media/saluran komunikasi
Y1.5 Dampak/efek Komunikasi
0,71
0,93
0,94
0,95
0,98
Efektivitas Komunikasi Antara Budaya (Y1)
0,16
Pengembangan Masyarakat di Pasar Perbatasan (Y2)
0,93
0,92
0,86
Y2.1 Peran pemerintah
Y2.2. Peran Pemerintah Distrik/Desa/kampung
Y2.3. Peran Tokoh adat/tokoh agama/tokoh masyarakat


X1.1 Jenis kelamin
X1.2. Umur
X1.3. Tingkat Pendidikan
X1.4. Warga Negara
X1.5 Tingkat Pendapatan
X1.6. Status Sosial
X1.7. Alasan ke Perbatasan
0,77
0,95
0,63
0,81
0,94
0,71
0,81
Karakteristik individu (X1)
X2.1. Hambatan Bahasa
X2.2. Sterotipe
X2.3. Prasangka
X2.4. Etnosentris
X2.5. Rasisme
0,76
0,96
0,96
0,66
0,95
Hambatan Komunikasi Interaksi Budaya Pedagang dan Pembeli (X2)
X3.1. penggunaan bahan mentah
X3.2. transaksi perdagangan
X3.3. kerajinan tangan khas daerah
X3.4. peran pemerintah
X3.5. pelestarian pengetahuan budaya
0,86
0,99
0,87
0,78
0,89
Pengetahuan Interaksi Antarabudaya warta di Perbatasan(X3)
X4.1. Norma budaya
X4.2. Nilai budaya lokal
X4.3. Pengetahuan lokal
X4.4. Adat/ kebiasaan warga
0,78
0,74
0,92
0,90
Norma Budaya dalam Interaksi Budaya (X4)
X5.1. Kesadaran Pengetahuan Budaya
X5.2. Penyesuaian pengetahuan budaya
X5.3. Kepercayaan Berinteraksi Budaya
X5.4. Kemampuan penyesuaian budaya baru
X5.5. Kenyamanan Budaya Baru
X5.6. Kemampuan beradaptasi
X5.7. Kemampuan berperilaku verbal
X5.8. Kemampuan berperilaku nonverbal
X5.9. Kemampuan mengubah ekpresi wajah
0,97
0,98
0,96
0,98
0,94
0,97
0,98
0,98
0,98
Kecerdasan dalam Interaksi Antarbudaya (X5)
X6.1. Kesulitan berkomunikasi berbeda budaya
X6.2. Kesulitan beradaptasi berbeda budaya
X6.3. Kemudahan beradaptasi
X6.4. Pengalaman geger budaya (culture shock)
X6.5. Kemampuan menggunakan bahasa asing
X6.6. Kenyamanan berkomunikasi berbeda budaya
0,95
0,95
0,75
0,90
0,91
0,96
Sensivitas Interaksi Budaya (X6)
X7.1. Mengawali sapaan
X7.2. Mengawali pembicaraan
X7.3. Menggunakan dialek berbeda budaya
X7.4. Mengikuti nada bicara berbeda budaya
X7.5. Menggunakan bahasa berbeda budaya
0,87
0,79
0,50
0,66
0,85
Negosiasi dalam Interaksi antar Budaya (X7)
0,16
-0,32
0,18
0,07
0,11
0,37
0,18
0,03
-0,23
0,21
0,09
0,06
0,17
0,13
Efektivitas Komunikasi Antara Budaya (Y1)
R2 = 0,67
Y1.1 Kemampuan Berinteraksi Antarbudaya
Y1.2. Tingkat Komunikasi partisipatif
Y1.3. Peran pendamping sebagai Komunikator Program
Y1.4. Penggunaan media/saluran komunikasi
Y1.5 Dampak/efek Komunikasi
0,71
0,93
0,94
0,95
0,98
0,16
Pengembangan Masyarakat di Pasar Perbatasan (Y2)
R2 = 0,44
Y2.1 Peran pemerintah
Y2.2. Peran Pemerintah Distrik/Desa/kampung
Y2.3. Peran Tokoh adat/tokoh agama/tokoh masyarakat
0,93
0,92
0,86




Gambar Nilai T-Hitung




Gambar Nilai Loading Factor

**1. Pengujian goodness of fit model**

| Goodness-of-Fit | Cutt-off-Value | Hasil | Kesimpulan |
|---|---|---|---|
| GFI | ≥ 0.90 | 0,97 | *good fit* |
| AGFI | ≥ 0.90 | 0,97 | *good fit* |
| CFI | ≥ 0.90 | 1,00 | *good fit* |
| IFI | ≥ 0.90 | 1,00 | *good fit* |
| NFI | ≥ 0.90 | 1,00 | *good fit* |
| RFI | ≥ 0.90 | 1,00 | *good fit* |

Hasil pengolahan untuk pengujian *goodness of fit* menunjukkan beberapa kriteria *good fit* yaitu GFI, AGFI, CFI, IFI, NFI, dan RFI menghasilkan nilai ≥ 0.90 yang artinya model yang dihasilkan sudah *good fit* maka dapat disimpulkan bahwa model telah memenuhi kriteria *goodness of fit,* sehingga pengujian hipotesis teori dapat dilakukan.

**2. Pengujian hipotesis teori**

**Hasil Estimasi Model SEM**

| Pengaruh Variabel | *Standardized loading faktor* | \|t-hit\| > 1,96 | Kesimpulan |
|---|---|---|---|
| X1 → Y1 | 0,16 | 8,70 | Signifikan |
| X2 → Y1 | -0,32 | 11,83 | Signifikan |
| X3 → Y1 | 0,18 | 8,43 | Signifikan |
| X4 → Y1 | 0,07 | 5,28 | Signifikan |
| X5 → Y1 | 0,11 | 7,21 | Signifikan |
| X6 → Y1 | 0,37 | 13,49 | Signifikan |
| X7 → Y1 | 0,18 | 6,73 | Signifikan |
| X1 → Y2 | 0,03 | 0,94 | Tidak Signifikan |
| X2 → Y2 | -0,23 | 6,28 | Signifikan |
| X3 → Y2 | 0,21 | 5,55 | Signifikan |
| X4 → Y2 | 0,09 | 3,10 | Signifikan |
| X5 → Y2 | 0,06 | 3,10 | Signifikan |
| X6 → Y2 | 0,17 | 4,01 | Signifikan |
| X7 → Y2 | 0,13 | 3,66 | Signifikan |
| Y1 → Y2 | 0,16 | 2,28 | Signifikan |

Lampiran Output

```
                                L I S R E L  8.80

                                      BY

                          Karl G. Jöreskog & Dag Sörbom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 The following lines were read from file D:\SEM_SYR\DATA.SPJ:

 Observed Variables
 X11 X12 X13 X14 X15 X16 X17 X21 X22
 X23 X24 X25 X31 X32 X33 X34 X35 X41
 X42 X43 X44 X51 X52 X53 X54 X55 X56
 X57 X58 X59 X61 X62 X63 X64 X65 X66
 X71 X72 X73 X74 X75 Y11 Y12 Y13 Y14
 Y15 Y21 Y22 Y23
 Correlation Matrix from file 'D:\SEM_SYR\DATA.COR'
 Sample Size = 300
 Latent Variable X1 X2 X3 X4 X5 X6 X7 Y1 Y2
 Relationships
 X11 X12 X13 X14 X15 X16 X17 = X1
 X21 X22 X23 X24 X25 = X2
 X31 X32 X33 X34 X35 = X3
 X41 X42 X43 X44 = X4
 X51 X52 X53 X54 X55 X56 X57 X58 X59 = X5
 X61 X62 X63 X64 X65 X66 = X6
 X71 X72 X73 X74 X75 = X7
 Y11 =Y1
 Y12 Y13 Y14 Y15 = Y1
 Y21 =Y2
 Y22 Y23 = Y2
 set variance of Y1 to 0.67
 set variance of Y2 to 0.44
 Y1 = X1 X2 X3 X4 X5 X6 X7
 Y2 = Y1 X1 X2 X3 X4 X5 X6 X7
 Path Diagram
 Options ME=UL AD=OFF IT=500
 set error covariance between X13 and X12 to free
 set error covariance between X14 and X12 to free
 set error covariance between X15 and X12 to free
 set error covariance between X16 and X14 to free
 set error covariance between X17 and X12 to free
 set error covariance between X31 and Y22 to free
 set error covariance between X32 and X15 to free
 set error covariance between X33 and Y23 to free
 set error covariance between X34 and Y11 to free
 set error covariance between X34 and Y23 to free
 set error covariance between X34 and X11 to free
 set error covariance between X34 and X16 to free
 set error covariance between X35 and X32 to free
 set error covariance between X35 and X33 to free
 set error covariance between X41 and Y11 to free
 set error covariance between X41 and X11 to free
 set error covariance between X42 and X11 to free
 set error covariance between X42 and X15 to free
 set error covariance between X42 and X41 to free
 set error covariance between X44 and X15 to free
 set error covariance between X44 and X41 to free
 set error covariance between X51 and X11 to free
 set error covariance between X51 and X12 to free
 set error covariance between X51 and X32 to free
 set error covariance between X52 and X12 to free
 set error covariance between X53 and X11 to free
```

```
set error covariance between X53 and X33 to free
set error covariance between X53 and X35 to free
set error covariance between X54 and X35 to free
set error covariance between X55 and X14 to free
set error covariance between X55 and X31 to free
set error covariance between X55 and X33 to free
set error covariance between X55 and X35 to free
set error covariance between X56 and X33 to free
set error covariance between X56 and X35 to free
set error covariance between X57 and X12 to free
set error covariance between X57 and X33 to free
set error covariance between X57 and X35 to free
set error covariance between X58 and X33 to free
set error covariance between X59 and X12 to free
set error covariance between X59 and X33 to free
set error covariance between X61 and Y23 to free
set error covariance between X62 and Y23 to free
set error covariance between X63 and Y22 to free
set error covariance between X64 and Y22 to free
set error covariance between X65 and Y23 to free
set error covariance between X66 and X25 to free
set error covariance between X71 and X13 to free
set error covariance between X72 and X13 to free
set error covariance between X73 and X17 to free
set error covariance between X73 and X42 to free
set error covariance between X73 and X71 to free
set error covariance between X74 and X32 to free
set error covariance between X74 and X44 to free
set error covariance between X75 and X73 to free
set error covariance between X75 and X74 to free

End of Problem

Sample Size =   300
```

Correlation Matrix

| | Y11 | Y12 | Y13 | Y14 | Y15 | Y21 |
|---|---|---|---|---|---|---|
| Y11 | 1.00 | | | | | |
| Y12 | 0.63 | 1.00 | | | | |
| Y13 | 0.58 | 0.95 | 1.00 | | | |
| Y14 | 0.65 | 0.93 | 0.87 | 1.00 | | |
| Y15 | 0.63 | 0.96 | 0.89 | 0.95 | 1.00 | |
| Y21 | 0.51 | 0.52 | 0.52 | 0.51 | 0.53 | 1.00 |
| Y22 | 0.45 | 0.42 | 0.61 | 0.59 | 0.62 | 0.96 |
| Y23 | 0.27 | 0.37 | 0.36 | 0.35 | 0.37 | 0.78 |
| X11 | 0.25 | 0.31 | 0.34 | 0.27 | 0.29 | 0.20 |
| X12 | 0.25 | 0.45 | 0.46 | 0.49 | 0.49 | 0.16 |
| X13 | 0.47 | 0.31 | 0.27 | 0.30 | 0.29 | 0.14 |
| X14 | 0.29 | 0.25 | 0.18 | 0.29 | 0.28 | 0.13 |
| X15 | 0.26 | 0.37 | 0.35 | 0.36 | 0.37 | 0.18 |
| X16 | 0.16 | 0.23 | 0.15 | 0.27 | 0.26 | 0.09 |
| X17 | 0.21 | 0.25 | 0.21 | 0.28 | 0.26 | 0.16 |
| X21 | -0.32 | -0.36 | -0.34 | -0.39 | -0.38 | -0.32 |
| X22 | -0.41 | -0.50 | -0.45 | -0.53 | -0.54 | -0.46 |
| X23 | -0.41 | -0.50 | -0.45 | -0.53 | -0.54 | -0.46 |
| X24 | -0.32 | -0.32 | -0.37 | -0.35 | -0.36 | -0.25 |
| X25 | -0.43 | -0.56 | -0.37 | -0.52 | -0.51 | -0.44 |
| X31 | 0.27 | 0.33 | 0.31 | 0.33 | 0.32 | 0.21 |
| X32 | 0.31 | 0.41 | 0.41 | 0.43 | 0.43 | 0.32 |
| X33 | 0.34 | 0.33 | 0.32 | 0.28 | 0.34 | 0.23 |
| X34 | 0.38 | 0.26 | 0.22 | 0.27 | 0.25 | 0.37 |
| X35 | 0.19 | 0.29 | 0.26 | 0.24 | 0.27 | 0.25 |
| X41 | 0.30 | 0.11 | 0.09 | 0.12 | 0.08 | 0.19 |
| X42 | 0.24 | 0.11 | 0.10 | 0.11 | 0.08 | 0.14 |
| X43 | 0.23 | 0.16 | 0.16 | 0.17 | 0.14 | 0.20 |
| X44 | 0.27 | 0.21 | 0.17 | 0.21 | 0.17 | 0.18 |
| X51 | 0.26 | 0.35 | 0.36 | 0.37 | 0.39 | 0.24 |
| X52 | 0.31 | 0.34 | 0.33 | 0.32 | 0.37 | 0.26 |
| X53 | 0.34 | 0.32 | 0.32 | 0.30 | 0.33 | 0.30 |
| X54 | 0.32 | 0.37 | 0.37 | 0.37 | 0.40 | 0.22 |
| X55 | 0.31 | 0.34 | 0.32 | 0.31 | 0.37 | 0.24 |
| X56 | 0.32 | 0.37 | 0.36 | 0.31 | 0.38 | 0.23 |

| | | | | | | |
|---|---|---|---|---|---|---|
| X57 | 0.34 | 0.38 | 0.38 | 0.36 | 0.40 | 0.25 |
| X58 | 0.28 | 0.34 | 0.33 | 0.34 | 0.38 | 0.26 |
| X59 | 0.37 | 0.40 | 0.39 | 0.35 | 0.41 | 0.30 |
| X61 | 0.27 | 0.45 | 0.60 | 0.48 | 0.51 | 0.31 |
| X62 | 0.27 | 0.45 | 0.60 | 0.48 | 0.51 | 0.30 |
| X63 | 0.21 | 0.41 | 0.48 | 0.47 | 0.47 | 0.38 |
| X64 | 0.32 | 0.42 | 0.56 | 0.43 | 0.46 | 0.45 |
| X65 | 0.29 | 0.41 | 0.51 | 0.46 | 0.45 | 0.25 |
| X66 | 0.42 | 0.55 | 0.51 | 0.63 | 0.62 | 0.30 |
| X71 | 0.23 | 0.36 | 0.51 | 0.40 | 0.42 | 0.26 |
| X72 | 0.15 | 0.30 | 0.31 | 0.34 | 0.35 | 0.29 |
| X73 | 0.06 | 0.21 | 0.23 | 0.24 | 0.21 | 0.25 |
| X74 | 0.18 | 0.33 | 0.42 | 0.41 | 0.37 | 0.24 |
| X75 | 0.28 | 0.37 | 0.35 | 0.44 | 0.43 | 0.24 |

Correlation Matrix

| | Y22 | Y23 | X11 | X12 | X13 | X14 |
|---|---|---|---|---|---|---|
| Y22 | 1.00 | | | | | |
| Y23 | 0.70 | 1.00 | | | | |
| X11 | 0.18 | 0.40 | 1.00 | | | |
| X12 | 0.23 | 0.35 | 0.51 | 1.00 | | |
| X13 | 0.06 | 0.20 | 0.34 | 0.17 | 1.00 | |
| X14 | 0.08 | 0.31 | 0.67 | 0.43 | 0.49 | 1.00 |
| X15 | 0.22 | 0.38 | 0.76 | 0.43 | 0.51 | 0.68 |
| X16 | 0.10 | 0.21 | 0.58 | 0.50 | 0.41 | 0.90 |
| X17 | 0.18 | 0.39 | 0.59 | 0.42 | 0.45 | 0.69 |
| X21 | -0.25 | -0.28 | -0.08 | -0.10 | -0.18 | -0.09 |
| X22 | -0.46 | -0.40 | -0.12 | -0.15 | -0.20 | -0.10 |
| X23 | -0.46 | -0.40 | -0.12 | -0.15 | -0.20 | -0.10 |
| X24 | -0.24 | -0.26 | -0.16 | -0.14 | -0.20 | -0.24 |
| X25 | -0.42 | -0.34 | -0.09 | -0.20 | -0.12 | -0.04 |
| X31 | 0.16 | 0.40 | 0.29 | 0.33 | 0.22 | 0.26 |
| X32 | 0.31 | 0.47 | 0.21 | 0.33 | 0.25 | 0.20 |
| X33 | 0.19 | 0.47 | 0.38 | 0.37 | 0.25 | 0.28 |
| X34 | 0.31 | 0.49 | 0.04 | 0.22 | 0.29 | 0.11 |
| X35 | 0.18 | 0.42 | 0.23 | 0.31 | 0.25 | 0.26 |
| X41 | 0.20 | 0.11 | -0.26 | 0.06 | 0.04 | -0.07 |
| X42 | 0.18 | 0.11 | -0.20 | 0.06 | 0.05 | -0.11 |
| X43 | 0.24 | 0.20 | -0.09 | 0.07 | -0.08 | -0.08 |
| X44 | 0.20 | 0.16 | -0.03 | 0.09 | 0.03 | -0.03 |
| X51 | 0.19 | 0.37 | 0.37 | 0.35 | 0.18 | 0.35 |
| X52 | 0.21 | 0.32 | 0.34 | 0.36 | 0.15 | 0.32 |
| X53 | 0.23 | 0.35 | 0.36 | 0.30 | 0.13 | 0.31 |
| X54 | 0.18 | 0.31 | 0.28 | 0.34 | 0.21 | 0.37 |
| X55 | 0.16 | 0.31 | 0.27 | 0.31 | 0.22 | 0.40 |
| X56 | 0.17 | 0.31 | 0.32 | 0.32 | 0.22 | 0.34 |
| X57 | 0.21 | 0.32 | 0.36 | 0.36 | 0.19 | 0.37 |
| X58 | 0.22 | 0.31 | 0.28 | 0.32 | 0.14 | 0.33 |
| X59 | 0.24 | 0.34 | 0.34 | 0.35 | 0.22 | 0.35 |
| X61 | 0.41 | 0.14 | 0.15 | 0.21 | 0.01 | 0.00 |
| X62 | 0.40 | 0.13 | 0.14 | 0.20 | 0.00 | -0.02 |
| X63 | 0.51 | 0.22 | 0.03 | 0.21 | 0.05 | -0.02 |
| X64 | 0.50 | 0.23 | 0.21 | 0.21 | 0.03 | 0.03 |
| X65 | 0.33 | 0.09 | 0.13 | 0.17 | 0.06 | 0.02 |
| X66 | 0.39 | 0.16 | 0.16 | 0.24 | 0.08 | 0.09 |
| X71 | 0.33 | 0.13 | 0.10 | 0.19 | -0.08 | 0.14 |
| X72 | 0.36 | 0.29 | 0.13 | 0.23 | -0.06 | 0.22 |
| X73 | 0.31 | 0.20 | 0.04 | 0.07 | -0.03 | 0.18 |
| X74 | 0.30 | 0.23 | 0.17 | 0.18 | 0.10 | 0.09 |
| X75 | 0.26 | 0.16 | 0.08 | 0.15 | 0.06 | 0.31 |

Correlation Matrix

| | X15 | X16 | X17 | X21 | X22 | X23 |
|---|---|---|---|---|---|---|
| X15 | 1.00 | | | | | |
| X16 | 0.65 | 1.00 | | | | |
| X17 | 0.75 | 0.65 | 1.00 | | | |
| X21 | -0.07 | -0.11 | -0.07 | 1.00 | | |
| X22 | -0.13 | -0.12 | -0.10 | 0.70 | 1.00 | |
| X23 | -0.13 | -0.12 | -0.10 | 0.70 | 1.00 | 1.00 |
| X24 | -0.26 | -0.25 | -0.21 | 0.62 | 0.53 | 0.53 |
| X25 | -0.14 | -0.12 | -0.16 | 0.83 | 0.87 | 0.87 |
| X31 | 0.34 | 0.21 | 0.23 | -0.18 | -0.19 | -0.19 |
| X32 | 0.51 | 0.17 | 0.37 | -0.11 | -0.18 | -0.18 |

| | | | | | | |
|---|---|---|---|---|---|---|
| X33 | 0.48 | 0.28 | 0.31 | -0.11 | -0.14 | -0.14 |
| X34 | 0.36 | 0.04 | 0.23 | -0.11 | -0.16 | -0.16 |
| X35 | 0.42 | 0.20 | 0.12 | -0.11 | -0.18 | -0.18 |
| X41 | 0.14 | -0.10 | 0.01 | -0.23 | -0.25 | -0.25 |
| X42 | 0.19 | -0.14 | -0.02 | -0.20 | -0.24 | -0.24 |
| X43 | 0.15 | -0.06 | 0.03 | -0.19 | -0.30 | -0.30 |
| X44 | 0.25 | 0.01 | 0.07 | -0.17 | -0.26 | -0.26 |
| X51 | 0.30 | 0.32 | 0.33 | -0.12 | -0.22 | -0.22 |
| X52 | 0.20 | 0.26 | 0.27 | -0.11 | -0.15 | -0.15 |
| X53 | 0.20 | 0.26 | 0.25 | -0.14 | -0.19 | -0.19 |
| X54 | 0.25 | 0.29 | 0.26 | -0.16 | -0.18 | -0.18 |
| X55 | 0.19 | 0.31 | 0.27 | -0.17 | -0.16 | -0.16 |
| X56 | 0.27 | 0.29 | 0.30 | -0.16 | -0.19 | -0.19 |
| X57 | 0.25 | 0.28 | 0.31 | -0.15 | -0.20 | -0.20 |
| X58 | 0.20 | 0.33 | 0.25 | -0.16 | -0.19 | -0.19 |
| X59 | 0.26 | 0.30 | 0.32 | -0.18 | -0.19 | -0.19 |
| X61 | 0.11 | 0.05 | -0.02 | -0.16 | -0.19 | -0.19 |
| X62 | 0.10 | 0.03 | -0.03 | -0.16 | -0.19 | -0.19 |
| X63 | 0.11 | 0.04 | 0.12 | -0.08 | -0.17 | -0.17 |
| X64 | 0.06 | 0.04 | 0.03 | -0.10 | -0.15 | -0.15 |
| X65 | 0.13 | 0.06 | 0.04 | -0.16 | -0.20 | -0.20 |
| X66 | 0.18 | 0.15 | 0.08 | -0.24 | -0.35 | -0.35 |
| X71 | 0.12 | 0.13 | 0.05 | -0.15 | -0.13 | -0.13 |
| X72 | 0.26 | 0.19 | 0.22 | -0.18 | -0.26 | -0.26 |
| X73 | 0.15 | 0.16 | 0.32 | -0.03 | -0.05 | -0.05 |
| X74 | 0.18 | 0.06 | 0.09 | -0.14 | -0.18 | -0.18 |
| X75 | 0.20 | 0.27 | 0.20 | -0.22 | -0.21 | -0.21 |

Correlation Matrix

| | X24 | X25 | X31 | X32 | X33 | X34 |
|---|---|---|---|---|---|---|
| X24 | 1.00 | | | | | |
| X25 | 0.54 | 1.00 | | | | |
| X31 | -0.11 | -0.20 | 1.00 | | | |
| X32 | -0.14 | -0.18 | 0.70 | 1.00 | | |
| X33 | -0.15 | -0.18 | 0.66 | 0.78 | 1.00 | |
| X34 | -0.05 | -0.20 | 0.54 | 0.70 | 0.63 | 1.00 |
| X35 | -0.10 | -0.18 | 0.79 | 0.66 | 0.62 | 0.69 |
| X41 | -0.21 | -0.23 | 0.10 | 0.13 | 0.04 | 0.22 |
| X42 | -0.18 | -0.21 | 0.13 | 0.21 | 0.03 | 0.25 |
| X43 | -0.25 | -0.27 | 0.07 | 0.15 | 0.07 | 0.23 |
| X44 | -0.24 | -0.22 | 0.05 | 0.22 | 0.17 | 0.22 |
| X51 | -0.15 | -0.20 | 0.36 | 0.42 | 0.37 | 0.24 |
| X52 | -0.11 | -0.17 | 0.35 | 0.37 | 0.37 | 0.26 |
| X53 | -0.13 | -0.20 | 0.33 | 0.31 | 0.41 | 0.30 |
| X54 | -0.11 | -0.20 | 0.35 | 0.34 | 0.36 | 0.31 |
| X55 | -0.09 | -0.19 | 0.38 | 0.38 | 0.39 | 0.30 |
| X56 | -0.15 | -0.21 | 0.36 | 0.37 | 0.41 | 0.30 |
| X57 | -0.18 | -0.20 | 0.35 | 0.38 | 0.39 | 0.31 |
| X58 | -0.16 | -0.20 | 0.36 | 0.30 | 0.40 | 0.27 |
| X59 | -0.13 | -0.23 | 0.37 | 0.31 | 0.40 | 0.30 |
| X61 | -0.11 | -0.17 | 0.06 | 0.10 | 0.03 | 0.00 |
| X62 | -0.12 | -0.17 | 0.04 | 0.10 | 0.02 | -0.01 |
| X63 | -0.01 | -0.11 | -0.09 | 0.11 | -0.02 | 0.11 |
| X64 | -0.06 | -0.15 | 0.07 | 0.16 | 0.08 | 0.06 |
| X65 | -0.09 | -0.22 | 0.02 | 0.08 | 0.02 | 0.05 |
| X66 | -0.08 | -0.39 | 0.08 | 0.16 | 0.04 | 0.05 |
| X71 | -0.25 | -0.17 | 0.01 | 0.04 | 0.14 | -0.05 |
| X72 | -0.23 | -0.29 | -0.01 | 0.08 | 0.09 | -0.03 |
| X73 | -0.04 | -0.12 | 0.00 | 0.11 | 0.10 | 0.14 |
| X74 | -0.18 | -0.08 | 0.07 | 0.22 | 0.13 | 0.03 |
| X75 | -0.23 | -0.34 | 0.03 | 0.11 | 0.18 | 0.01 |

Correlation Matrix

| | X35 | X41 | X42 | X43 | X44 | X51 |
|---|---|---|---|---|---|---|
| X35 | 1.00 | | | | | |
| X41 | 0.15 | 1.00 | | | | |
| X42 | 0.22 | 0.98 | 1.00 | | | |
| X43 | 0.16 | 0.70 | 0.69 | 1.00 | | |
| X44 | 0.15 | 0.58 | 0.58 | 0.78 | 1.00 | |
| X51 | 0.36 | -0.12 | -0.05 | 0.08 | -0.03 | 1.00 |
| X52 | 0.37 | -0.05 | -0.06 | 0.06 | -0.02 | 0.92 |
| X53 | 0.37 | -0.01 | -0.06 | 0.09 | 0.03 | 0.88 |
| X54 | 0.41 | -0.03 | -0.07 | 0.05 | -0.01 | 0.90 |

| | | | | | | |
|---|---|---|---|---|---|---|
| X55 | 0.42 | -0.05 | -0.06 | 0.04 | 0.00 | 0.89 |
| X56 | 0.42 | -0.03 | -0.03 | 0.09 | 0.04 | 0.90 |
| X57 | 0.38 | -0.07 | -0.07 | 0.08 | -0.02 | 0.95 |
| X58 | 0.37 | -0.04 | -0.08 | 0.05 | -0.01 | 0.90 |
| X59 | 0.36 | -0.02 | -0.08 | 0.00 | -0.02 | 0.89 |
| X61 | 0.07 | -0.06 | -0.02 | -0.03 | -0.02 | 0.24 |
| X62 | 0.06 | -0.07 | -0.03 | -0.02 | -0.01 | 0.24 |
| X63 | 0.01 | -0.03 | 0.01 | 0.01 | -0.01 | 0.27 |
| X64 | 0.00 | -0.13 | -0.13 | -0.06 | -0.11 | 0.29 |
| X65 | 0.06 | -0.08 | -0.05 | 0.01 | -0.01 | 0.26 |
| X66 | 0.09 | -0.03 | 0.04 | 0.01 | 0.04 | 0.29 |
| X71 | -0.05 | 0.04 | 0.00 | 0.12 | 0.19 | 0.17 |
| X72 | -0.05 | 0.07 | 0.05 | 0.11 | 0.18 | 0.13 |
| X73 | -0.03 | -0.09 | -0.12 | -0.06 | 0.09 | 0.10 |
| X74 | -0.05 | 0.10 | 0.13 | 0.17 | 0.26 | 0.12 |
| X75 | -0.01 | 0.08 | 0.07 | 0.08 | 0.19 | 0.18 |

Correlation Matrix

| | X52 | X53 | X54 | X55 | X56 | X57 |
|---|---|---|---|---|---|---|
| X52 | 1.00 | | | | | |
| X53 | 0.93 | 1.00 | | | | |
| X54 | 0.93 | 0.92 | 1.00 | | | |
| X55 | 0.92 | 0.92 | 0.91 | 1.00 | | |
| X56 | 0.91 | 0.92 | 0.93 | 0.96 | 1.00 | |
| X57 | 0.99 | 0.92 | 0.93 | 0.90 | 0.93 | 1.00 |
| X58 | 0.93 | 0.95 | 0.93 | 0.92 | 0.94 | 0.92 |
| X59 | 0.91 | 0.91 | 0.92 | 0.90 | 0.90 | 0.93 |
| X61 | 0.23 | 0.24 | 0.26 | 0.22 | 0.23 | 0.24 |
| X62 | 0.23 | 0.24 | 0.26 | 0.22 | 0.23 | 0.24 |
| X63 | 0.22 | 0.19 | 0.24 | 0.19 | 0.21 | 0.25 |
| X64 | 0.26 | 0.27 | 0.25 | 0.24 | 0.24 | 0.26 |
| X65 | 0.26 | 0.28 | 0.29 | 0.25 | 0.27 | 0.27 |
| X66 | 0.25 | 0.25 | 0.27 | 0.25 | 0.25 | 0.28 |
| X71 | 0.16 | 0.18 | 0.15 | 0.12 | 0.13 | 0.19 |
| X72 | 0.14 | 0.16 | 0.15 | 0.09 | 0.10 | 0.14 |
| X73 | 0.09 | 0.10 | 0.05 | 0.03 | 0.03 | 0.11 |
| X74 | 0.14 | 0.09 | 0.07 | 0.09 | 0.04 | 0.13 |
| X75 | 0.14 | 0.13 | 0.15 | 0.14 | 0.15 | 0.18 |

Correlation Matrix

| | X58 | X59 | X61 | X62 | X63 | X64 |
|---|---|---|---|---|---|---|
| X58 | 1.00 | | | | | |
| X59 | 0.93 | 1.00 | | | | |
| X61 | 0.27 | 0.24 | 1.00 | | | |
| X62 | 0.27 | 0.24 | 1.00 | 1.00 | | |
| X63 | 0.23 | 0.22 | 0.70 | 0.70 | 1.00 | |
| X64 | 0.30 | 0.30 | 0.90 | 0.90 | 0.66 | 1.00 |
| X65 | 0.29 | 0.27 | 0.90 | 0.90 | 0.67 | 0.84 |
| X66 | 0.28 | 0.28 | 0.88 | 0.88 | 0.62 | 0.76 |
| X71 | 0.18 | 0.18 | 0.40 | 0.41 | 0.26 | 0.36 |
| X72 | 0.16 | 0.15 | 0.29 | 0.29 | 0.14 | 0.20 |
| X73 | 0.10 | 0.13 | 0.11 | 0.10 | 0.29 | 0.16 |
| X74 | 0.10 | 0.11 | 0.19 | 0.18 | 0.23 | 0.22 |
| X75 | 0.19 | 0.18 | 0.24 | 0.24 | 0.18 | 0.21 |

Correlation Matrix

| | X65 | X66 | X71 | X72 | X73 | X74 |
|---|---|---|---|---|---|---|
| X65 | 1.00 | | | | | |
| X66 | 0.88 | 1.00 | | | | |
| X71 | 0.36 | 0.31 | 1.00 | | | |
| X72 | 0.25 | 0.33 | 0.68 | 1.00 | | |
| X73 | 0.10 | 0.12 | 0.71 | 0.50 | 1.00 | |
| X74 | 0.15 | 0.22 | 0.51 | 0.43 | 0.38 | 1.00 |
| X75 | 0.23 | 0.35 | 0.80 | 0.63 | 0.71 | 0.39 |

Correlation Matrix

| | X75 |
|---|---|
| X75 | 1.00 |

Number of Iterations = 28

LISREL Estimates (Unweighted Least Squares)

Measurement Equations

Y11 = 0.50*Y1, Errorvar.= 0.50 , $R^2$ = 0.50
(0.024) (0.086)
20.72 5.80

Y12 = 0.66*Y1, Errorvar.= 0.14 , $R^2$ = 0.86
(0.031) (0.090)
21.38 1.51

Y13 = 0.66*Y1, Errorvar.= 0.12 , $R^2$ = 0.88
(0.031) (0.090)
21.55 1.37

Y14 = 0.67*Y1, Errorvar.= 0.094 , $R^2$ = 0.91
(0.031) (0.090)
21.54 1.04

Y15 = 0.69*Y1, Errorvar.= 0.044 , $R^2$ = 0.96
(0.032) (0.091)
21.58 0.49

Y21 = 1.05*Y2, Errorvar.= 0.13 , $R^2$ = 0.87
(0.047) (0.095)
22.58 1.42

Y22 = 1.04*Y2, Errorvar.= 0.15 , $R^2$ = 0.85
(0.046) (0.096)
22.63 1.60

Y23 = 0.97*Y2, Errorvar.= 0.26 , $R^2$ = 0.74
(0.042) (0.092)
23.04 2.83

X11 = 0.77*X1, Errorvar.= 0.40 , $R^2$ = 0.60
(0.025) (0.093)
31.52 4.31

X12 = 0.95*X1, Errorvar.= 0.097 , $R^2$ = 0.90
(0.033) (0.099)
28.38 0.97

X13 = 0.63*X1, Errorvar.= 0.61 , $R^2$ = 0.39
(0.024) (0.087)
26.04 7.00

X14 = 0.81*X1, Errorvar.= 0.34 , $R^2$ = 0.66
(0.028) (0.097)
28.99 3.55

X15 = 0.94*X1, Errorvar.= 0.11 , $R^2$ = 0.89
(0.026) (0.095)
36.21 1.14

X16 = 0.71*X1, Errorvar.= 0.50 , $R^2$ = 0.50
(0.026) (0.093)
27.22 5.37

X17 = 0.81*X1, Errorvar.= 0.34  , R² = 0.66
      (0.025)             (0.092)
       32.14               3.70

X21 = 0.76*X2, Errorvar.= 0.42  , R² = 0.58
      (0.024)             (0.092)
       32.16               4.58

X22 = 0.96*X2, Errorvar.= 0.071 , R² = 0.93
      (0.025)             (0.099)
       38.32               0.71

X23 = 0.96*X2, Errorvar.= 0.071 , R² = 0.93
      (0.025)             (0.099)
       38.32               0.71

X24 = 0.66*X2, Errorvar.= 0.57  , R² = 0.43
      (0.023)             (0.089)
       29.00               6.42

X25 = 0.95*X2, Errorvar.= 0.10  , R² = 0.90
      (0.025)             (0.100)
       37.48               1.05

X31 = 0.86*X3, Errorvar.= 0.26  , R² = 0.74
      (0.026)             (0.094)
       32.82               2.80

X32 = 0.99*X3, Errorvar.= 0.013, R² = 0.99
      (0.030)             (0.10)
       33.59               0.12

X33 = 0.87*X3, Errorvar.= 0.25  , R² = 0.75
      (0.030)             (0.100)
       28.79               2.51

X34 = 0.78*X3, Errorvar.= 0.39  , R² = 0.61
      (0.026)             (0.092)
       30.33               4.19

X35 = 0.89*X3, Errorvar.= 0.21 , R² = 0.79
      (0.034)             (0.10)
       25.86               2.07

X41 = 0.78*X4, Errorvar.= 0.38 , R² = 0.62
      (0.051)             (0.12)
       15.32               3.19

X42 = 0.74*X4, Errorvar.= 0.45 , R² = 0.55
      (0.041)             (0.11)
       17.99               4.27

X43 = 0.92*X4, Errorvar.= 0.16 , R² = 0.84
      (0.038)             (0.10)
       24.41               1.54

X44 = 0.90*X4, Errorvar.= 0.19 , R² = 0.81
      (0.041)             (0.10)
       21.74               1.84

X51 = 0.97*X5, Errorvar.= 0.068 , R² = 0.93
      (0.020)             (0.089)
       48.12               0.76

X52 = 0.98*X5, Errorvar.= 0.046 , R² = 0.95
      (0.020)             (0.089)
       49.04               0.52

```
X53 = 0.96*X5, Errorvar.= 0.083 , R² = 0.92
     (0.020)             (0.089)
      47.80               0.93

X54 = 0.98*X5, Errorvar.= 0.042 , R² = 0.96
     (0.020)             (0.089)
      49.03               0.47

X55 = 0.94*X5, Errorvar.= 0.11  , R² = 0.89
     (0.020)             (0.089)
      47.00               1.20

X56 = 0.97*X5, Errorvar.= 0.058 , R² = 0.94
     (0.020)             (0.090)
      48.46               0.64

X57 = 0.99*X5, Errorvar.= 0.012 , R² = 0.99
     (0.020)             (0.090)
      49.33               0.14

X58 = 0.98*X5, Errorvar.= 0.035 , R² = 0.97
     (0.020)             (0.089)
      49.20               0.39

X59 = 0.98*X5, Errorvar.= 0.035 , R² = 0.96
     (0.020)             (0.090)
      49.08               0.40

X61 = 0.95*X6, Errorvar.= 0.092 , R² = 0.91
     (0.023)             (0.092)
      41.26               1.00

X62 = 0.95*X6, Errorvar.= 0.098 , R² = 0.90
     (0.023)             (0.092)
      40.96               1.06

X63 = 0.75*X6, Errorvar.= 0.44  , R² = 0.56
     (0.022)             (0.088)
      33.61               5.01

X64 = 0.90*X6, Errorvar.= 0.19  , R² = 0.81
     (0.023)             (0.091)
      39.20               2.13

X65 = 0.91*X6, Errorvar.= 0.17  , R² = 0.83
     (0.023)             (0.091)
      39.61               1.91

X66 = 0.96*X6, Errorvar.= 0.079 , R² = 0.92
     (0.023)             (0.092)
      41.55               0.86

X71 = 0.87*X7, Errorvar.= 0.25  , R² = 0.75
     (0.031)             (0.099)
      28.26               2.54

X72 = 0.79*X7, Errorvar.= 0.38  , R² = 0.62
     (0.028)             (0.092)
      28.69               4.08

X73 = 0.50*X7, Errorvar.= 0.75  , R² = 0.25
     (0.032)             (0.090)
      15.66               8.33

X74 = 0.66*X7, Errorvar.= 0.56  , R² = 0.44
     (0.029)             (0.089)
      23.02               6.35
```

X75 = 0.85*X7, Errorvar.= 0.29 , $R^2$ = 0.71
(0.032) (0.098)
26.69 2.92

Error Covariance for X13 and X12 = -0.43
(0.065)
-6.64

Error Covariance for X14 and X12 = -0.34
(0.070)
-4.86

Error Covariance for X15 and X12 = -0.47
(0.070)
-6.68

Error Covariance for X16 and X14 = 0.33
(0.068)
4.88

Error Covariance for X17 and X12 = -0.35
(0.068)
-5.19

Error Covariance for X31 and Y22 = -0.14
(0.061)
-2.27

Error Covariance for X32 and X15 = 0.15
(0.060)
2.51

Error Covariance for X33 and Y23 = 0.19
(0.061)
3.14

Error Covariance for X34 and Y11 = 0.17
(0.059)
2.85

Error Covariance for X34 and Y23 = 0.24
(0.060)
3.93

Error Covariance for X34 and X11 = -0.20
(0.060)
-3.32

Error Covariance for X34 and X16 = -0.18
(0.060)
-2.98

Error Covariance for X35 and X32 = -0.22
(0.074)
-2.93

Error Covariance for X35 and X33 = -0.14
(0.074)
-1.93

Error Covariance for X41 and Y11 = 0.19
(0.059)
3.18

Error Covariance for X41 and X11 = -0.27
(0.059)
-4.51

Error Covariance for X42 and X11 = -0.20
(0.059)
-3.42

Error Covariance for X42 and X15 = 0.18
(0.060)

3.06

Error Covariance for X42 and X41 = 0.40
(0.079)
5.07

Error Covariance for X44 and X15 = 0.25
(0.059)
4.15

Error Covariance for X44 and X41 = -0.13
(0.082)
-1.53

Error Covariance for X51 and X11 = 0.19
(0.058)
3.19

Error Covariance for X51 and X12 = 0.12
(0.058)
2.09

Error Covariance for X51 and X32 = 0.18
(0.058)
3.09

Error Covariance for X52 and X12 = 0.13
(0.058)
2.15

Error Covariance for X53 and X11 = 0.18
(0.058)
3.01

Error Covariance for X53 and X33 = 0.20
(0.058)
3.48

Error Covariance for X53 and X35 = 0.16
(0.059)
2.71

Error Covariance for X54 and X35 = 0.19
(0.059)
3.25

Error Covariance for X55 and X14 = 0.21
(0.058)
3.62

Error Covariance for X55 and X31 = 0.17
(0.058)
2.99

Error Covariance for X55 and X33 = 0.18
(0.058)
3.13

Error Covariance for X55 and X35 = 0.21
(0.059)
3.61

Error Covariance for X56 and X33 = 0.20
(0.058)
3.46

Error Covariance for X56 and X35 = 0.21
(0.059)
3.52

Error Covariance for X57 and X12 = 0.12
(0.059)
2.08

Error Covariance for X57 and X33 = 0.18
(0.058)
3.00

```
Error Covariance for X57 and X35 = 0.16
                                  (0.059)
                                    2.80

Error Covariance for X58 and X33 = 0.19
                                  (0.058)
                                    3.19

Error Covariance for X59 and X12 = 0.12
                                  (0.058)
                                    2.05

Error Covariance for X59 and X33 = 0.19
                                  (0.058)
                                    3.23

Error Covariance for X61 and Y23 = -0.17
                                   (0.061)
                                    -2.87

Error Covariance for X62 and Y23 = -0.18
                                   (0.061)
                                    -2.99

Error Covariance for X63 and Y22 = 0.24
                                  (0.060)
                                    4.03

Error Covariance for X64 and Y22 = 0.18
                                  (0.061)
                                    3.02

Error Covariance for X65 and Y23 = -0.21
                                   (0.061)
                                    -3.43

Error Covariance for X66 and X25 = -0.19
                                   (0.060)
                                    -3.19

Error Covariance for X71 and X13 = -0.21
                                   (0.059)
                                    -3.59

Error Covariance for X72 and X13 = -0.18
                                   (0.059)
                                    -3.16

Error Covariance for X73 and X17 = 0.22
                                  (0.059)
                                    3.73

Error Covariance for X73 and X42 = -0.18
                                   (0.059)
                                    -2.97

Error Covariance for X73 and X71 = 0.28
                                  (0.068)
                                    4.05

Error Covariance for X74 and X32 = 0.18
                                  (0.059)
                                    2.99

Error Covariance for X74 and X44 = 0.17
                                  (0.059)
                                    2.90

Error Covariance for X75 and X73 = 0.29
                                  (0.068)
                                    4.22

Error Covariance for X75 and X74 = -0.17
                                   (0.067)
                                    -2.55
```

Structural Equations

Y1 = 0.23*X1 - 0.45*X2 + 0.26*X3 + 0.10*X4 + 0.15*X5 + 0.52*X6 + 0.26*X7, Errorvar.= 0.67, $R^2$ = 0.67

| | | | | | | |
|---|---|---|---|---|---|---|
| (0.027) | (0.038) | (0.030) | (0.019) | (0.021) | (0.039) | (0.039) |
| 8.70 | -11.83 | 8.43 | 5.28 | 7.21 | 13.49 | 6.73 |

Y2 = 0.098*Y1 + 0.025*X1 - 0.20*X2 + 0.18*X3 + 0.083*X4 + 0.050*X5 + 0.15*X6 + 0.12*X7, Errorvar.= 0.44, $R^2$ = 0.44

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| (0.043) | (0.026) | (0.033) | (0.033) | (0.027) | (0.016) | (0.037) | (0.032) |
| 2.28 | 0.94 | -6.28 | 5.55 | 3.10 | 3.10 | 4.01 | 3.66 |

Reduced Form Equations

Y1 = 0.23*X1 - 0.45*X2 + 0.26*X3 + 0.10*X4 + 0.15*X5 + 0.52*X6 + 0.26*X7, Errorvar.= 0.67, $R^2$ = 0.67

| | | | | | | |
|---|---|---|---|---|---|---|
| (0.027) | (0.038) | (0.030) | (0.019) | (0.021) | (0.039) | (0.039) |
| 8.70 | -11.83 | 8.43 | 5.28 | 7.21 | 13.49 | 6.73 |

Y2 = 0.048*X1 - 0.25*X2 + 0.21*X3 + 0.093*X4 + 0.065*X5 + 0.20*X6 + 0.14*X7, Errorvar.= 0.45, $R^2$ = 0.43

| | | | | | | |
|---|---|---|---|---|---|---|
| (0.025) | (0.025) | (0.030) | (0.027) | (0.016) | (0.026) | (0.030) |
| 1.92 | -10.09 | 6.80 | 3.46 | 4.05 | 7.67 | 4.78 |

Correlation Matrix of Independent Variables

| | X1 | X2 | X3 | X4 | X5 | X6 |
|---|---|---|---|---|---|---|
| X1 | 1.00 | | | | | |
| X2 | -0.19 | 1.00 | | | | |
| | (0.01) | | | | | |
| | -15.42 | | | | | |
| X3 | 0.39 | -0.20 | 1.00 | | | |
| | (0.01) | (0.01) | | | | |
| | 26.51 | -14.72 | | | | |
| X4 | 0.01 | -0.25 | 0.20 | 1.00 | | |
| | (0.02) | | (0.02) | | | |
| | 0.61 | | 11.63 | | | |
| X5 | 0.25 | -0.20 | 0.25 | -0.01 | 1.00 | |
| | | (0.01) | | (0.01) | | |
| | | -20.61 | | -0.92 | | |
| X6 | 0.13 | -0.22 | 0.07 | -0.04 | 0.29 | 1.00 |
| | (0.01) | (0.01) | (0.01) | (0.02) | (0.01) | |
| | 10.23 | -16.82 | 5.36 | -2.59 | 27.15 | |
| X7 | 0.24 | -0.27 | 0.06 | 0.14 | 0.18 | 0.36 |
| | (0.02) | (0.02) | (0.02) | (0.02) | (0.01) | (0.02) |
| | 14.66 | -16.06 | 3.54 | 6.84 | 13.65 | 20.10 |

Correlation Matrix of Independent Variables

| | X7 |
|---|---|
| X7 | 1.00 |

Covariance Matrix of Latent Variables

| | Y1 | Y2 | X1 | X2 | X3 | X4 |
|---|---|---|---|---|---|---|
| Y1 | 2.01 | | | | | |
| Y2 | 0.72 | 0.78 | | | | |
| X1 | 0.58 | 0.25 | 1.00 | | | |
| X2 | -0.79 | -0.42 | -0.19 | 1.00 | | |
| X3 | 0.55 | 0.33 | 0.39 | -0.20 | 1.00 | |
| X4 | 0.28 | 0.21 | 0.01 | -0.25 | 0.20 | 1.00 |
| X5 | 0.56 | 0.26 | 0.25 | -0.20 | 0.25 | -0.01 |
| X6 | 0.80 | 0.34 | 0.13 | -0.22 | 0.07 | -0.04 |
| X7 | 0.69 | 0.33 | 0.24 | -0.27 | 0.06 | 0.14 |

Covariance Matrix of Latent Variables

| | X5 | X6 | X7 |
|---|---|---|---|
| X5 | 1.00 | | |
| X6 | 0.29 | 1.00 | |
| X7 | 0.18 | 0.36 | 1.00 |

Goodness of Fit Statistics

Chi-square, standard errors, t-values and standardized

residuals are calculated under the assumption of multi-
variate normality.

Degrees of Freedom = 1038
Normal Theory Weighted Least Squares Chi-Square = 1411.42 (P = 0.00)
Estimated Non-centrality Parameter (NCP) = 373.42
90 Percent Confidence Interval for NCP = (279.14 ; 475.74)

Minimum Fit Function Value = 4.72
Population Discrepancy Function Value (F0) = 1.25
90 Percent Confidence Interval for F0 = (0.93 ; 1.59)
Root Mean Square Error of Approximation (RMSEA) = 0.035
90 Percent Confidence Interval for RMSEA = (0.030 ; 0.039)
P-Value for Test of Close Fit (RMSEA < 0.05) = 1.00

Expected Cross-Validation Index (ECVI) = 5.97
90 Percent Confidence Interval for ECVI = (5.66 ; 6.31)
ECVI for Saturated Model = 8.19
ECVI for Independence Model = 142.52

Chi-Square for Independence Model with 1176 Degrees of Freedom = 42516.63
Independence AIC = 42614.63
Model AIC = 1785.42
Saturated AIC = 2450.00
Independence CAIC = 42845.11
Model CAIC = 2665.02
Saturated CAIC = 8212.13

Normed Fit Index (NFI) = 1.00
Non-Normed Fit Index (NNFI) = 1.00
Parsimony Normed Fit Index (PNFI) = 0.88
Comparative Fit Index (CFI) = 1.00
Incremental Fit Index (IFI) = 1.00
Relative Fit Index (RFI) = 1.00

Root Mean Square Residual (RMR) = 0.062
Standardized RMR = 0.062
Goodness of Fit Index (GFI) = 0.97
Adjusted Goodness of Fit Index (AGFI) = 0.97
Parsimony Goodness of Fit Index (PGFI) = 0.82

The Modification Indices Suggest to Add the

| Path to | from | Decrease in Chi-Square | New Estimate |
|---|---|---|---|
| Y11 | Y2 | 10.0 | 0.24 |
| X11 | X5 | 43.4 | 0.16 |
| X11 | X6 | 15.4 | 0.10 |
| X12 | X2 | 12.2 | -0.12 |
| X12 | X5 | 37.0 | 0.20 |
| X12 | X6 | 49.0 | 0.20 |
| X12 | X7 | 19.0 | 0.17 |
| X13 | X2 | 15.6 | -0.11 |
| X13 | X3 | 10.1 | 0.12 |
| X14 | X4 | 14.4 | -0.13 |
| X14 | X5 | 37.8 | 0.15 |
| X15 | X3 | 16.0 | 0.18 |
| X15 | X4 | 14.3 | 0.17 |
| X16 | X4 | 10.5 | -0.11 |
| X16 | X5 | 36.7 | 0.14 |
| X17 | X5 | 13.8 | 0.08 |
| X24 | X1 | 24.4 | -0.14 |
| X24 | X4 | 8.2 | -0.10 |
| X24 | X7 | 8.5 | -0.10 |
| X31 | X5 | 56.4 | 0.18 |
| X32 | X5 | 42.9 | 0.16 |
| X32 | X6 | 29.4 | 0.15 |
| X32 | X7 | 19.5 | 0.15 |
| X33 | X1 | 29.5 | 0.21 |
| X33 | X5 | 29.5 | 0.20 |
| X33 | X7 | 13.4 | 0.12 |
| X34 | X4 | 8.8 | 0.11 |
| X34 | X5 | 24.2 | 0.11 |
| X35 | X5 | 13.8 | 0.12 |
| X35 | X7 | 13.3 | -0.12 |
| X42 | X5 | 7.9 | -0.06 |

| | | | |
|---|---|---|---|
| X43 | X2 | 13.4 | -0.11 |
| X43 | X5 | 20.5 | 0.10 |
| X44 | X2 | 8.0 | -0.08 |
| X44 | X7 | 14.3 | 0.13 |
| X51 | X1 | 31.9 | 0.19 |
| X51 | X3 | 31.3 | 0.19 |
| X52 | X1 | 15.6 | 0.12 |
| X52 | X3 | 28.1 | 0.16 |
| X53 | X3 | 13.7 | 0.13 |
| X54 | X1 | 25.9 | 0.14 |
| X54 | X3 | 27.9 | 0.17 |
| X55 | X1 | 9.0 | 0.09 |
| X55 | X3 | 11.9 | 0.14 |
| X56 | X1 | 24.2 | 0.14 |
| X56 | X3 | 27.4 | 0.18 |
| X57 | X1 | 28.4 | 0.17 |
| X57 | X3 | 26.0 | 0.18 |
| X58 | X1 | 15.5 | 0.11 |
| X58 | X3 | 18.5 | 0.14 |
| X59 | X1 | 39.6 | 0.19 |
| X59 | X3 | 33.8 | 0.19 |
| X64 | X4 | 8.5 | -0.10 |
| X66 | X1 | 13.6 | 0.10 |
| X66 | X2 | 23.8 | -0.17 |
| X66 | X3 | 9.3 | 0.09 |
| X66 | X4 | 9.9 | 0.11 |
| X66 | X7 | 9.9 | 0.14 |
| X71 | X1 | 9.9 | -0.11 |
| X71 | X6 | 14.8 | 0.17 |

The Modification Indices Suggest to Add a Covariance

| between | and | Decrease in Chi-Square | New Estimate |
|---|---|---|---|
| X1 | X1 | 62.7 | 0.53 |
| X3 | X3 | 70.2 | 0.44 |
| X4 | X2 | 18.2 | -0.33 |
| X4 | X4 | 10.9 | 0.62 |
| X5 | X1 | 124.2 | 0.37 |
| X5 | X3 | 156.1 | 0.41 |
| X11 | Y23 | 14.1 | 0.22 |
| X12 | X11 | 21.3 | -0.32 |
| X13 | Y11 | 26.2 | 0.30 |
| X13 | X11 | 8.0 | -0.18 |
| X16 | X12 | 12.9 | -0.25 |
| X17 | Y23 | 11.9 | 0.21 |
| X32 | X31 | 10.1 | -0.23 |
| X33 | X15 | 8.5 | 0.18 |
| X51 | X33 | 8.3 | 0.17 |
| X52 | X33 | 7.9 | 0.16 |
| X54 | X14 | 8.5 | 0.17 |
| X57 | X11 | 8.7 | 0.17 |
| X57 | X14 | 8.4 | 0.17 |
| X66 | Y23 | 8.3 | -0.18 |

Time used: 77.188 Seconds