CFA Basics Class Assignment

CAAFI: Computer Aversion, Attitudes, and Familiarity Index

Computer Familiarity: Items 3, 13–14, 16, 20–23, 27, and 30.

Computer Attitudes: Items 1–2, 4–5, 8, 11, 18–19, and 28–29.

Computer Aversion: Items 6–7, 9–10, 12, 15, 17, and 24–26.

Create a one-factor and three-factor model.

Include the model pictures with standardized loadings.

Check the following for the three-factor model:

* Heywood cases:
  + SMCS?
  + Error variances?
* Loadings:
  + Are any of the item loadings poor?
* Are there any bad residuals?
  + Look at the correlation table, which combinations are high?
* Are there any modification indices that you could use to improve the fit on the model?
* Include the fit indices in the table below.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | X2 | Df | RMSEA | SRMR | CFI | TLI | AIC |
| 3-factor |  |  |  |  |  |  |  |
| 1-factor |  |  |  |  |  |  |  |

Which model is better?