HM4 – CFA & SEM

1. Using the R package **sem** (or another R package of your choosing!) evaluate the fit of your preferred EFA model from HM3.
2. Re-specify factors in HM3 by fixing one indicator loading to 1.0 to set the factor metric, rather than by “standardizing” the factor to have a variance of 1.0.
   1. In order to avoid having factor loadings that exceed 1.0, which variable(s) should you use?
   2. How does the fit of the two ways of setting the factor metric compare?
3. If you have not already, allow the factors to correlate.
   1. How does the fit of the orthogonal solution compare to the oblique?
4. Perhaps some of these factors predict the others. For example, Belonging and Isolation may both predict Settled (in opposite directions).
   1. Specify this alternative model,
   2. Evaluate any change in fit
   3. Interpret the model.