

Group 42

Zaphod Beeblebrox

Tricia McMillan

Marvin T.P. Andy

For Assignment 2, you will conduct a CFA and report the results via this worksheet.

- Provide the requested information for each of the following items.
- Only include the necessary information; waffling will hurt your grade.
- Replace the placeholder values above with your Assignment 2 Group's details and the appropriate date.
- Submit the completed worksheet as a PDF document.

NOTE: The relative weights for each item are given in brackets.

1 Which dataset are you using? [1]

2 Describe your hypothesized measurement model. [2]

- *What latent factors are you estimating?*
- *Which items will you use to define each latent factor?*
- *Why is your hypothesized factor structure justified?*

3 Provide a path diagram of your theoretical measurement model. [2]

4 Provide the lavaan syntax for your model. [2]

5 Use the `lavaan::cfa()` function to estimate your model. [2]

6 Report the relevant parameter estimates from your fitted model. [3]

- *Don't include the entire model summary.*
- *The `lavaan::lavInspect()` or `lavaan::parameterEstimates()` functions could be useful here.*

7 Report the R^2 estimates from your fitted model. [2]

8 Report suitable model fit indices for your estimated model. [3]

- *Don't include every fit index lavaan provides.*

9 Do your results support the validity of your hypothesized model? [4]

- *Explain why or why not.*

10 Do you think the model could be improved? [2]

- *If so, explain how you would modify the model.*
 - *If not, explain why no improvement is possible.*
-