Article\_Coding\_Assessment

Start of Block: article info

notes\_overall   
Article Coding Form   
    
You will use this form to code articles for the Assessment of Assessment Project. You should fill out this form once for each article. If the article has multiple measurement invariance tests (i.e. once for sex and once for age), then you would fill out the article once for each test of **measurement invariance** within an article.  
   
Note: the survey will end if your article does not have the required components we are looking for in the article. If you think you did something wrong, please ask or simply recode it.

|  |
| --- |
|  |

doi\_link Enter the article doi as an html link (i.e., https://doi.org/10.1177/107319119400100401)

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

End of Block: article info

Start of Block: does it have mi

invariance\_yes   
Does this article report measurement invariance?  
   
Search the document (control + F) for equal groups, invariance, multigroup. Notes:  
   
- Code yes even if the data is simulated  
- Code yes if item response theory differential item functioning is used - Code other for unsure or unclear or list your own reason

* Yes (1)
* No (2)
* Other (3) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

End of Block: does it have mi

Start of Block: does it use cfa

cfa\_irt Does this article use structural equation modeling (confirmatory factor analysis) or item response theory?

* Structural Equation Modeling (1)
* Item Response Theory (2)
* Neither: List Analysis (3) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

End of Block: does it use cfa

Start of Block: does it have real data

real\_data   
Does this article include real data (i.e., no simulation studies)?

* Yes (1)
* No (2)
* Unclear (3) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

data Is the data accessible? Look for supplemental documents, links to files, and pages of correlation/covariance matrices.

* Yes (1)
* Matrices included (2)
* Contact author (3)
* No (4)
* Unclear or broken links (5) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

End of Block: data

Start of Block: scale information

scale\_name What is the name of the instrument/scale they are testing? Please include the entire name, not the abbreviation.

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

scale\_ref What is the citation of the scale they are testing? Copy from the reference section.

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

|  |
| --- |
|  |

group\_number How many groups are compared?

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

group\_names What sample groups are they comparing in this analysis? List groups the way they are described (i.e., do not correct Male/Female to Men/Women, use the names from the paper). Separate groups with a comma.

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

End of Block: scale information

Start of Block: mi steps information

what\_steps What steps of measurement invariance did they test? Please click all that were used. The names in parentheses are sometimes used to describe each step.

* Equal form (configural) (1)
* Equal item loadings (metric) (2)
* Equal item intercepts/means (scalar) (3)
* Equal item thresholds (4)
* Equal item residuals (strict) (5)
* Equal item residual covariances (8)
* Equal latent means (population means) (6)
* Equal latent variances (7)
* Equal latent covariances (9)
* Equal regressions (10)

End of Block: mi steps information

Start of Block: order of steps

Carry Forward Selected Choices from "What steps of measurement invariance did they test? Please click all that were used. The names in parentheses are sometimes used to describe each step. "

|  |
| --- |
|  |

step\_order What order did they test the steps in? Please drag and drop them into the order found in the paper (often in a table).

\_\_\_\_\_\_ Equal form (configural) (1)

\_\_\_\_\_\_ Equal item loadings (metric) (2)

\_\_\_\_\_\_ Equal item intercepts/means (scalar) (3)

\_\_\_\_\_\_ Equal item thresholds (4)

\_\_\_\_\_\_ Equal item residuals (strict) (5)

\_\_\_\_\_\_ Equal item residual covariances (6)

\_\_\_\_\_\_ Equal latent means (population means) (7)

\_\_\_\_\_\_ Equal latent variances (8)

\_\_\_\_\_\_ Equal latent covariances (9)

\_\_\_\_\_\_ Equal regressions (10)

End of Block: order of steps

Start of Block: metric mi

metric\_mi What metric did they use to assess measurement invariance? (i.e., CFI, RMSEA, other fit measures, you can use abbreviations of fit indices)

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

rule\_mi What rule did they use for measurement invariance? (i.e., change in CFI < .01, chi-square difference test, etc.). List the rule as what would be considered invariant (i.e., passes the test, groups are considered equal).

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

invariance\_claim   
What type of invariance did they claim? Use the step name and their words for the type of invariance. For example, fully invariant to residuals/strict, partially scalar invariant, non-invariant, etc.)

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

End of Block: metric mi