Health Science Statistics using R and R Commander by Robin Beaumont

Chapter 31 Levels of agreement: Kappa, Krippendorff and the ICC

Learning Outcomes

* = more advanced outcomes

Learning outcome	**Tick box**
Be able to define the term rater	q
Be able to describe, and provide examples of, the four levels of measurement (glossary entry **level of measure**) [from chapter 2]	q
Be able to choose the appropriate measure(s) of agreement for nominal and ordinal level variables	q
Using an appropriate dataset create R code demonstrating the *Kappa2()* function in the *irr* package	q
*Using an appropriate dataset create R code demonstrating the *cohen.kappa()* function in the *psych* package	q
Be able to describe and demonstrate the *t()* function	q
Be able to choose the appropriate measure(s) of agreement for interval/ratio level variables	
*Using an appropriate dataset create R code demonstrating the *icc()* function in the *psych* package and the equivalent krippendorff function	q
Be aware that the *irr* package provides details of extensions for situations with more than two raters	q
Be able to appropriately interpret a 95% CI for the various agreement measures used in the chapter	q