

Key themes and summary of issues

— Researcher Degrees of Freedom

- Many steps in the modelling process, and often multiple choices to be made at each step.
- *When to stop collecting data? What prior to select? What goodness of fit test should I use?*
- QRPs can occur multiple times in the entire process, at each decision point
- The same class of QRP can occur at multiple points in the modelling process
- Multiple QRPs can occur at each decision point

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— Transparency as Remedy?

“the phrase “questionable research practices” [should be reserved for] for unethical research practices such as falsifying data, dealing with participants in unethical ways, and mistreating animals. In fact, all of these should be labeled as bad research practices. Most of the “gray area” of data analyses activities [...] should be referred to as “questionable reporting practices.”

Wigboldus, D. H. J., Dotsch, R. (2015) Encourage Playing with Data and Discourage Questionable Reporting Practices. *Psychometrika*. 81, 1–6.

“In fact, it is difficult to imagine any of the practices purported to be QRPs as questionable or ethically ambiguous if fully reported.

Woo, S. E., O'Boyle, E. H., Spector, P. E. (2017) Best practices in developing, conducting, and evaluating inductive research. *Human Resource Management Review*. 27, 255–264.

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