



**Choose your own  
adventure:**

**Researcher degrees of freedom and Questionable Research**

**Practices in ecological modelling for decision support.**

$$2+2=4$$

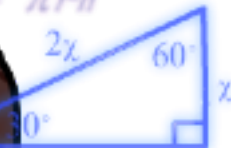


$$A = \pi r^2$$

$$V = \pi r^2 h$$



$$C = 2\pi r$$



$$\int \frac{dx}{\cos^2 x} = u$$

$$ax + \frac{1}{2}x + \frac{1}{2}x = a$$

$$a=b$$

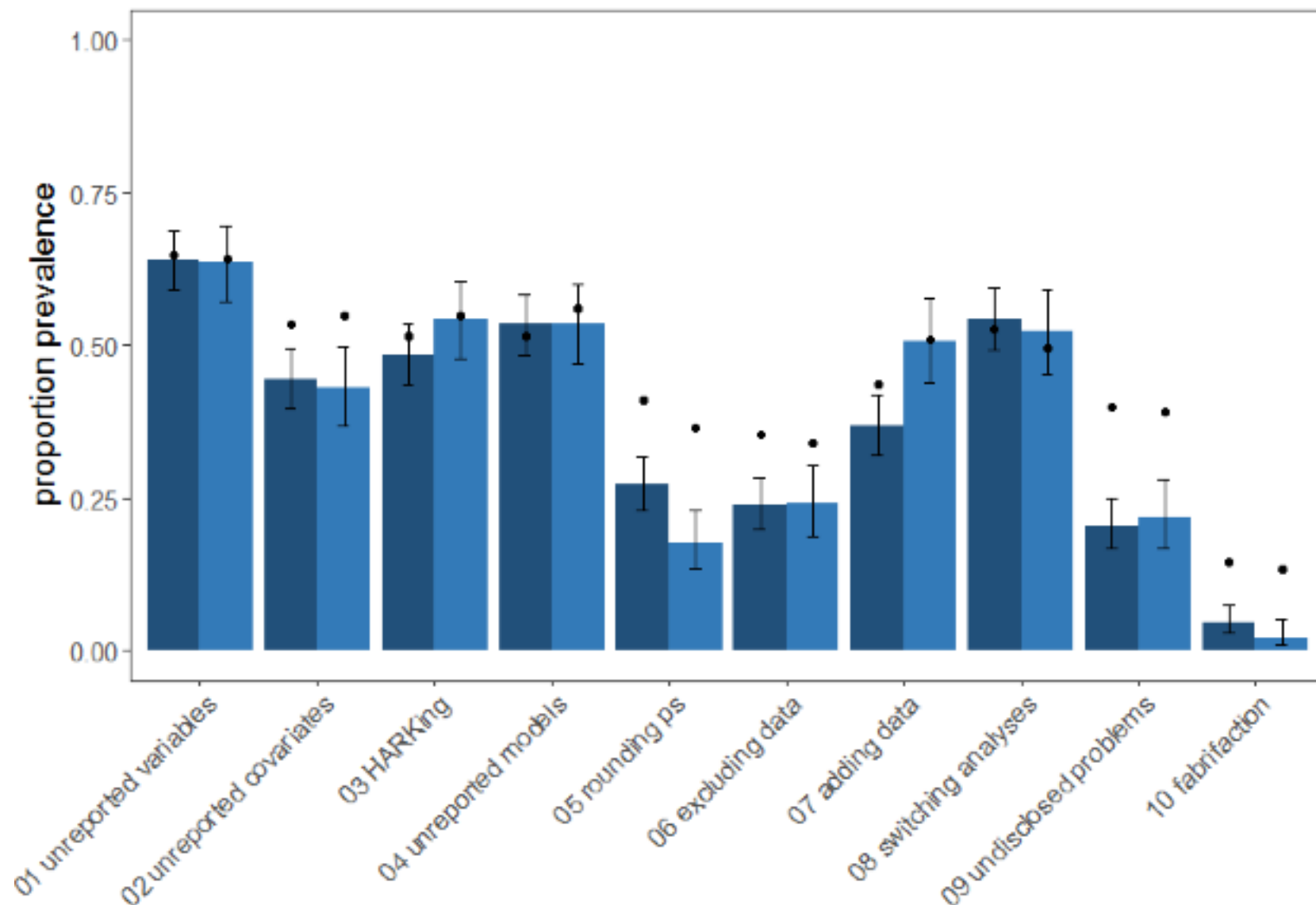
$$V = \frac{1}{3} r^2 h$$



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*University of Melbourne.*

# Background

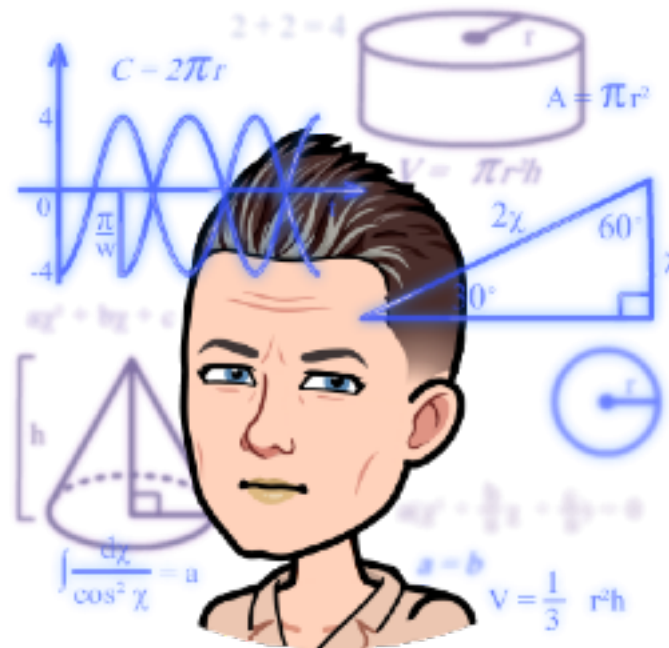
- Initial meta-science research: Ecology and evolution not immune to reproducibility issues



Fraser, H., Parker, T., Nakagawa, S., Barnett, A., Fidler, F. (2018) Questionable research practices in ecology and evolution. (ed J. M. Wicherts). PLoS One. 13, e0200303.

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