

# Informative hypotheses evaluation

## Intro

Rebecca M. Kuiper

Department of Methodology & Statistics  
Utrecht University

# Curious to know

- Your expectation of the course?  
(mainly regarding 'hypothesis testing')
- Do you have your own data?
- What do you know w.r.t.
  - model selection?  
(Bayesian and using information criteria like AIC)
  - Possibly: meta-analysis and evidence synthesis?
- Do you use any of the methods (and why)?
- Which software do you use (SPSS, R, JASP, ...)?

Note: Estimation vs hypothesis evaluation.

# Content

- Null hypothesis testing
- Informative hypotheses
- Model selection using information criteria  
(focus on GORIC and GORICA)
- Possibly: Updating hypotheses
- Possibly: (GORIC) evidence synthesis