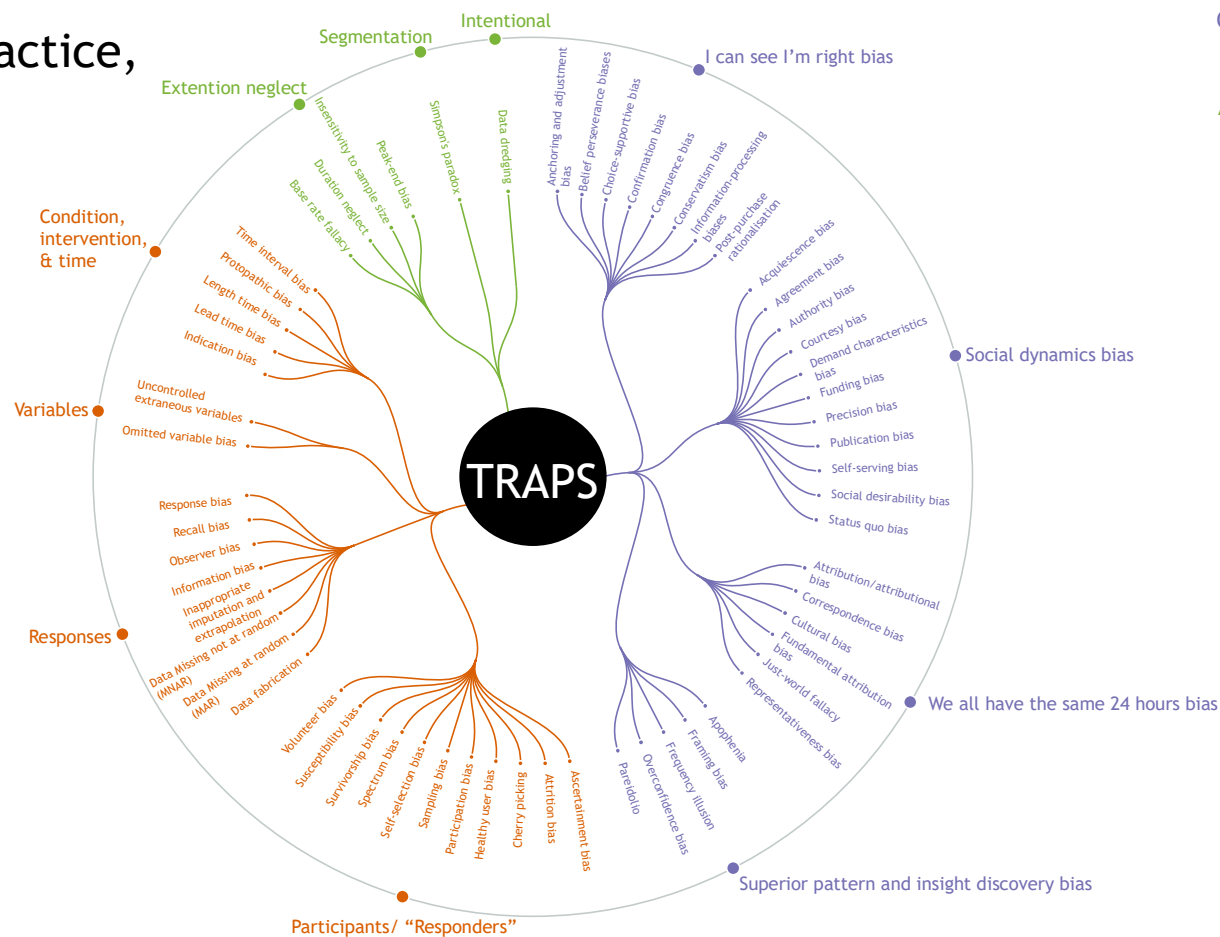# Data Experiment Traps:
Biases, Fallacies, Malpractice, and Heuristics*

*Intended as vocabulary list for further research and awareness
therefore categories & vocabulary aren't all distinct to each other

TRAPS

Segmentation
Intentional
Extention neglect
I can see I'm right bias

Insensitivity to sample size
Simpson's paradox
Data dredging
Peak-end bias
Duration neglect
Base rate fallacy

Anchoring and adjustment bias
Belief perseverance biases
Choice-supportive bias
Confirmation bias
Congruence bias
Conservation bias
Information-processing biases
Post-purchase rationalisation

Condition, intervention, & time

Time interval bias
Protopathic bias
Length time bias
Lead time bias
Indication bias

Acquiescence bias
Agreement bias
Authority bias
Courtesy bias
Demand characteristics bias
Funding bias
Precision bias
Publication bias
Self-serving bias
Social desirability bias
Status quo bias

Social dynamics bias

Variables

Uncontrolled extraneous variables
Omitted variable bias

Response bias
Recall bias
Observer bias
Information bias
Inappropriate imputation and extrapolation
Data Missing not at random (MNAR)
Data Missing at random (MAR)
Data fabrication

Responses

Attribution/attributional bias
Correspondence bias
Cultural bias
Fundamental attribution bias
Just-world fallacy
Representativeness bias

We all have the same 24 hours bias

Volunteer bias
Susceptibility bias
Survivorship bias
Spectrum bias
Self-selection bias
Sampling bias
Participation bias
Healthy user bias
Cherry picking
Attrition bias
Ascertainment bias

Apophenia
Frequency illusion
Framing bias
Overconfidence bias
Pareidolia

Superior pattern and insight discovery bias

Participants/ "Responders"