Replications & Reversals in Social Sciences

FORRT

Framework for Open and Reproducible Research Training

🏰 Hello from the Team

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♖ The Problem

- ❏ Research results are not reproducible and/or replicable
    - ❏ Scholarship in Psychology showed that only 40-65% of some classic results were replicated
- ❏ Reversal effects are scattered in the literature
- ❏ Reversal effects are not (yet) incorporated into research training/student education

🏰 The Solution – this hackathon!

- ❏ Build a curated list of either not-replicated or reversal effects in social sciences
  - ❏ Step 1: Build an index sheet for replication and reversal effects
    - ❏ Brainstorm and refine discipline and reversal effects **spreadsheet**

  - ❏ Step 2: Build an open resource with detailed information on reversal effects
    - ❏ Fill in entries on **google doc** and update the spreadsheet

🏰 Schedule

CET
09:30-09:40 (10min) Welcome and Overview
09:40-09:50 (10min) Step 1
09:50-10:30 (40min) Step 2

🏰 Instructions: Step 1 | 09:40-09:50 (10min)

Discipline	Reversal effects	Sub-effects	Started	On g-doc	Contributor Name	Affiliation	Email
Neuroscience	One mind per hemisphere	-	Y	Y			
Neuroscience	Hydrocephaly	-	Y	Y			
Neuroscience	Readiness potential	-	Y	Y			
Neuroscience	Personality on hemisphere dominance	-	Y	Y			
Psychiatry	Admitted sane patients	-	Y	Y			
Parapsychology	Precognition	-	Y	Y			
Evolutionary psychology	Priming	Romantic priming	Y	Y			
Evolutionary psychology	Menstrual cycle on mating	-	Y	Y			
Evolutionary psychology	Large parents and sons	-	Y	Y			
Evolutionary psychology	Strength on egalitarianism	-	Y	Y			
Psychophysiology	Nervous system on political ideology	-	Y	Y			
Behavioural genetics	5-HTTLPR on mental health	-	Y	Y			
Behavioural genetics	Candidate genes	-	Y	Y			
Applied Linguistics	Critical period		Y	Y			
Educational Psychology	Mindsets		Y	Y			

add your information here to help us keep a record of contribution. you should do so for every entry you contributed but you only need to fill your affiliation and email once

add reversal effect name here

each effect takes one row

add discipline names here

add sub-effects if applicable

[Link to the spread sheet](#)

🏰 Instructions: Step 2 | 09:50-10:30 (40min)

1. Select the (not-replicated and/or reversal) effect you want to work on, update the column "Started" record to "Y" in the spreadsheet, and find a source for the effect.
Note. sources can be a scientific article, OSKB, Curate Science, Personal Blogs [1, 2, ...]

2. Extract information and copy it to the reversals g-doc

Template Words in black are standardised, words in green need to be filled by you	Filled out example

• **Reversal effect**, one sentence definition. Summary of key trends/conclusion (if applicable).
    • Status: replicated/not replicated/reversed (choose one)
    • Original paper: 'title with link to source', author year; study design, sample size. [citation=XX(source of citation count, Month Year)].
    • Critiques: author year with link to source [n=XX, citations=XX(source, Month Year)]. List total n for meta-analysis. Repeat this format for all studies you find.
    • Original effect size: ES=X to ES=X.
    • Replication effect size: author: ES=X. author: ES=X.
	• **Elderly priming**, that hearing about old age makes people walk slower. The p-curve alone argues against the first 20 years of studies.
	    • Status: not replicated
	    • Original paper: 'Automaticity of social behavior', Bargh 1996; 2 experiments with n=30.[citations=5200(WOS, March 2020)].
	    • Critiques: Doyen 2012 [n=120, citations=XX(WOS, March 2020)], Pashler 2011 [(n=66, citations=XX(Scopus, March 2020)]). Meta-analysis: Lakens 2017 [total n=XX, citations=XX(GS, March 2020)].
	    • Original effect size: d=0.82 to d=1.08.
	    • Replication effect size: Doyen: d= - 0.07. Pashler: d= - 0.22.

3. After you've completed the entry, update the column "On g-doc" record to "Y" in the spreadsheet.

You are welcome to work on other existing entries if you have finished all of your entries ahead of time. Check the "Started" column to see which entries are open to contributions. Remember to put your name in the contributor column (multiple names allowed).

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