

Etienne P. LeBel

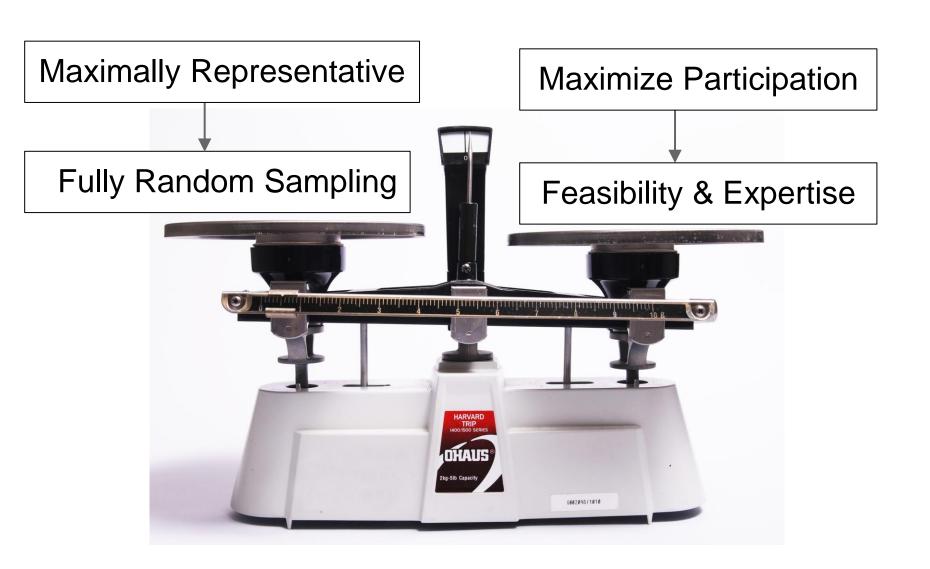
Montclair State University

Two Major Design Challenges

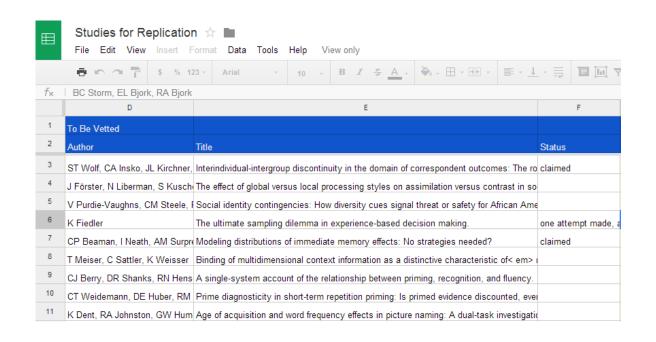
1. Generalizability of Results

2. Ensuring High-Quality Replications

1. Generalizability of Results



Selection of Replication Studies



Replicators chose study from list of feasible studies from articles from 2008 issues Of:

PSC

JEPLMC

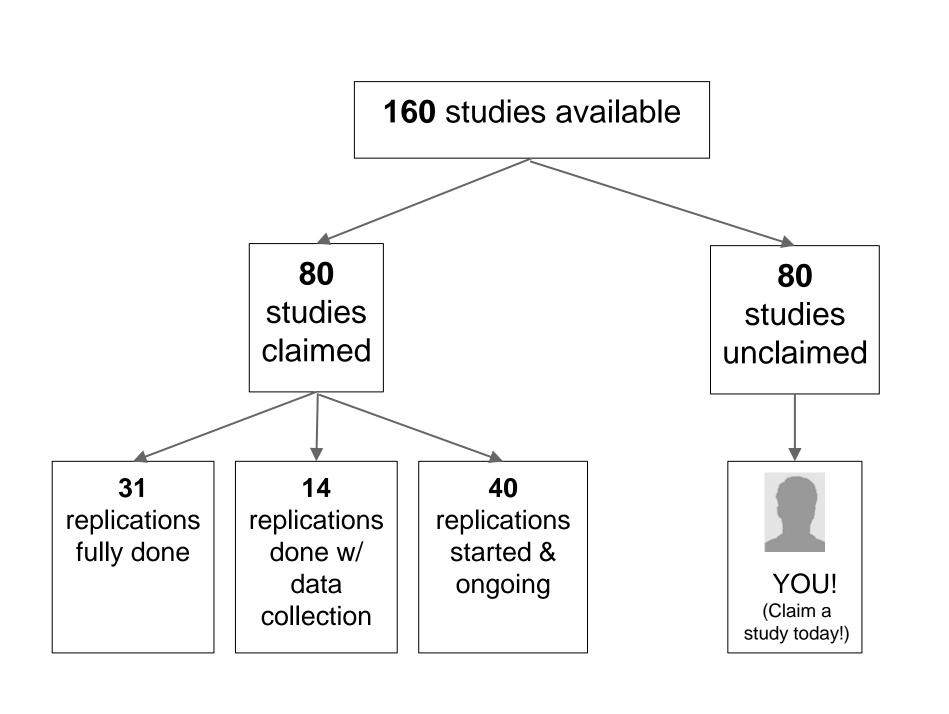
JPSP







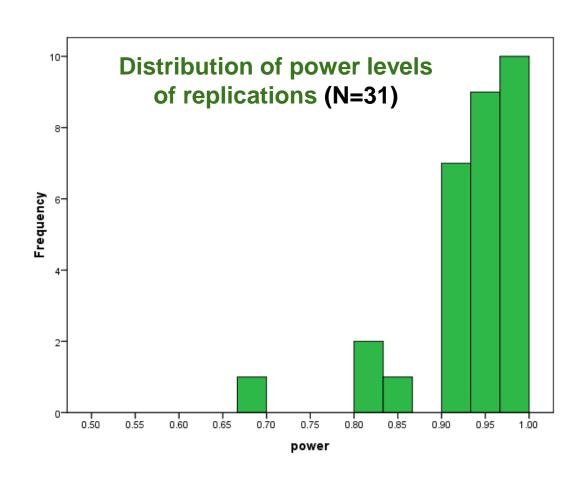




2. Ensuring High-Quality Replications

2.1 High Statistical Power

Large sample sizes that achieved minimum statistical power of 80%



87% of replications achieved >90% power Median power level = 95%!



2.2 Original Materials



>95% of replications successfully acquired original materials



2.3 Standardized Replication Protocol

- Target sample size and sampling procedures
- Exact procedures & task instructions
- Exact materials & measures
- Exact data preparation & analyses

Replication of Study 2 by Correll (2008, JPSP)

Etienne P. LeBel Department of Psychology, Western University, Ontario, Canada

encies in a weapon identification task revealed non-random natterns reflecting 1/f nois

The target finding for replication is the main finding of Study 2 where participants were assigned The target finding for repication is the main finding of Subuy's where participants were assigned to one of three sever perimetal conditions (1) use near outling the weapon identifications (action assign to one of three several content of the perimeter of the p participant's wave of latency variability data, yielding power spectral density (PSD) slopes involve plotting the power of the component waves against their frequency (less negative P slopes assumed to reflect more effort).

The main result that is the target of replication is <u>Correll's</u> (2008) planned contrast showing a statistically significant difference in the magnitude of the PSD slopes between the control condition and the average of the two experimental conditions, F(1, 68) = 5.52, p < .02 (p. 56)

100% of replications produced protocol prior to data collection



2.4 Vetting of Replication Protocols











Original author(s)

Vetted by:

>90%





Replicator(s)







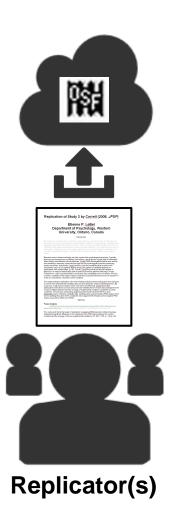
RP:P Project Member(s)





2.5 Protocols Publicly Posted

To maximize transparency & accountability



100% of replications publicly posted protocols prior to data collection

