Assessing replication rates in journals of experimental linguistics

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Abstract

This is the abstract.

It consists of two paragraphs.

Introduction

state the objectives of the work and provide an adequate background, avoiding a detailed literature survey or a summary of the results

Material and methods

provide sufficient details to allow the work to be reproduced by an independent researcher, describe any modifications to existing methods

Results

clear and concise, include tables and figures

```
##   mean_years
## 1   8.810127
```

```
##   median_years
## 1            7
```

```
##   mean_cit_init
## 1      41.08108
```

```
##   median_cit_init
## 1            19.5
```

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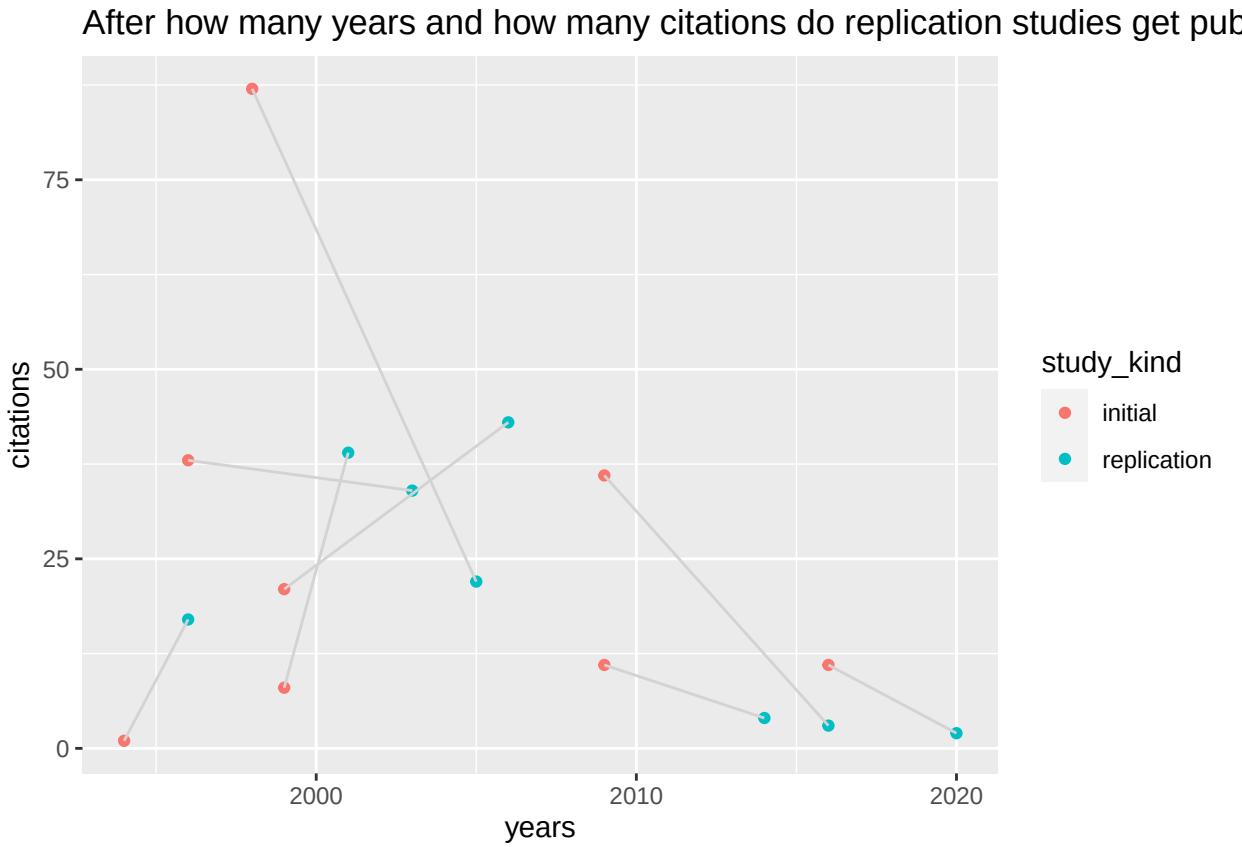
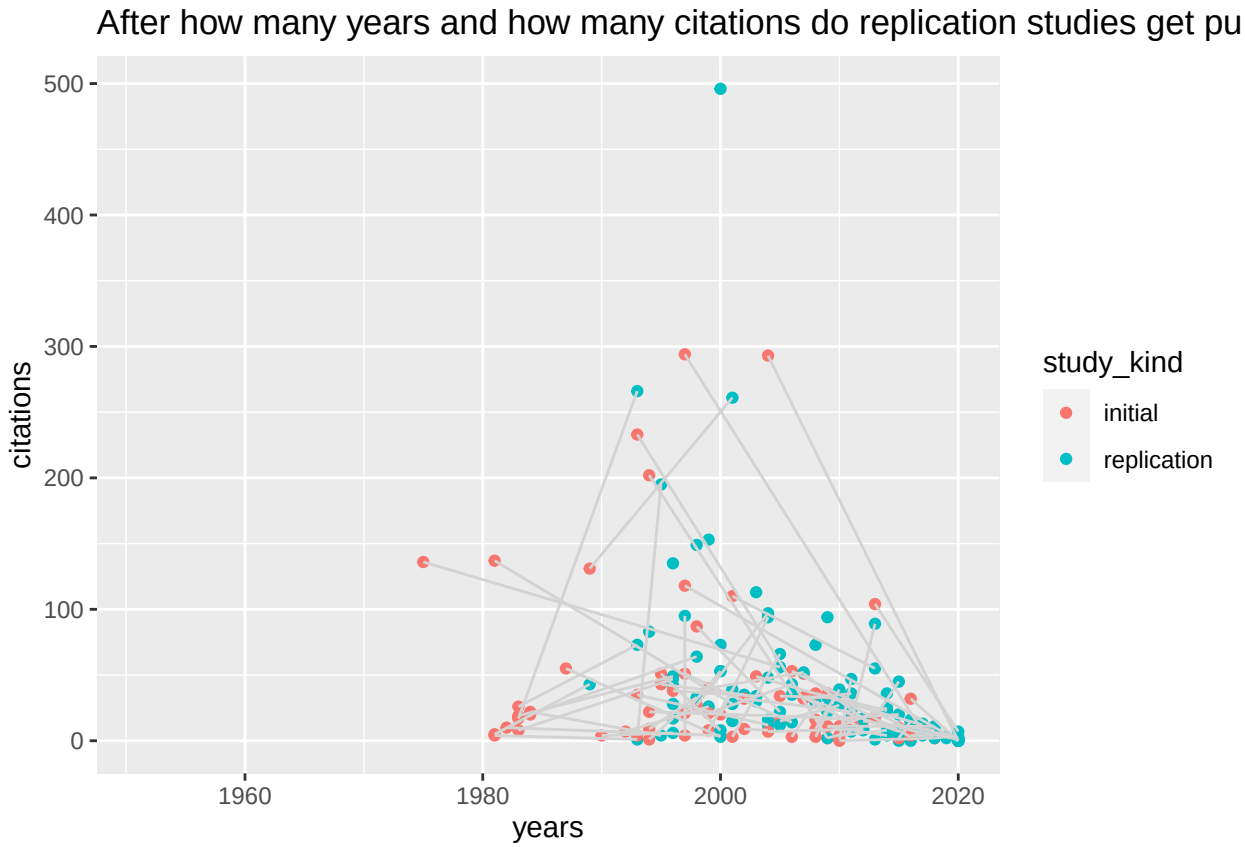

After how many years and how many citations do replication studies get pub
citations
75
50
25
0
2000
2010
2020
years
study_kind
initial
replication




```
# having a closer look at jml
jml_data <- coded_articles %>%
  filter(journal == "JOURNAL OF MEMORY AND LANGUAGE")

## how many really experimental
jml_exp <- jml_data %>%
  filter(experimental == "1")
jml_exp_ratio = count(jml_exp)/count(jml_data)
# ---> 50 = 100%

## of those how many actual replications
jml_reps <- jml_exp %>%
  filter(replication == "1")
jml_rep_ratio = count(jml_reps)/count(jml_exp)
# ---> 34 = 68%

## of those what types of replications
round(xtabs(~type_replication, jml_reps) / nrow(jml_reps), 2)
```

```
## type_replication
##            conceptual     direct    partial
##       0.00       0.44       0.09       0.47
```

```
### 0.44 conceptual
### 0.09 direct --> compared to 7% over all journals
### 0.47 partial

## of those author overlap
round(xtabs(~type_replication + auth_overlap, jml_reps) / nrow(jml_reps), 2)
```

```
##                 auth_overlap
## type_replication    0    1
##                   0.00 0.00
##       conceptual  0.18 0.26
##       direct      0.06 0.03
##       partial     0.24 0.24
```

```
###             no   yes
### conceptual 0.18 0.26
### direct     0.06 0.03
### partial    0.24 0.24

# all journals:
###             no   yes
### conceptual 0.26 0.30
### direct     0.03 0.04
### partial    0.15 0.21

## overall direct independent replication rate
round(nrow(jml_data[jml_data$replication == 1 &
                jml_data$type_replication == "direct" &
                jml_data$auth_overlap == 0,]) / nrow(jml_data), 3)
```

```
## [1] 0.04
```

```
### 0.04 = 4% compared to 0.015 = 1,5%
```

Discussion

Appendices

identified as A, B, etc.

Bibliography styles

There are various bibliography styles available. You can select the style of your choice in the preamble of this document. These styles are Elsevier styles based on standard styles like Harvard and Vancouver. Please use BibTeX to generate your bibliography and include DOIs whenever available.

Here are two sample references: (Dirac, 1953; Feynman and Vernon Jr.; 1963).

References

Dirac, P.A.M., 1953. The lorentz transformation and absolute time. Physica 19, 888–896. doi:10.1016/S0031-8914(53)80099-6

Feynman, R.P., Vernon Jr., F.L., 1963. The theory of a general quantum system interacting with a linear dissipative system. Annals of Physics 24, 118–173. doi:10.1016/0003-4916(63)90068-X