

## Would the highly cited journals endorse the more post reviewers? (#2117)

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**1) What's the main question being asked or hypothesis being tested in this study?**

Pubpeer is collecting the review articles for the published papers. A high impact factor usually represents the journal having the high citations and the extraordinary amount of readers. It is reasonable to assume that the readers of a highly cited journal would have many readers who share their review articles in Pubpeer. Therefore, the recent impact factor will have a high correlation with the amount of Pubpeer articles.

**2) Describe the key dependent variable(s) specifying how they will be measured.**

The number of articles by journal posted on Pubpeer. The retrieved date and time is 2016/11/17 10:13 pm (GMT +1).

**3) How many and which conditions will participants be assigned to?**

The impact factors are from the 2016 JCR report. The review articles of the journal without the high impact will be excluded if the JCR report does not show the journals.

**4) Specify exactly which analyses you will conduct to examine the main question/hypothesis.**

The Pearson's  $r$  of Pubpeer articles and impact factor will be calculated by the log-transformed numbers. Pearson's  $r$  is the member of correlation family among the well-known index of effect size. There are the benchmarks of small, medium, and large (0.1, 0.3, and 0.5). The hypothesis will have the sufficient support if the Pearson's  $r$  is large than 0.5.

**5) Any secondary analyses?**

If I can get the disciplines of journals, I will calculate the Pearson's  $r$  by disciplines. This will show the differences among the scientific societies.

**6) How many observations will be collected or what will determine sample size? No need to justify decision, but be precise about exactly how the number will be determined.**

The original data retrieved from Pubpeer have 3,494 journals. This number will decrease after combined with the JCR report.

**7) Anything else you would like to pre-register? (e.g., data exclusions, variables collected for exploratory purposes, unusual analyses planned?)**

No

**8) Have any data been collected for this study already?**

No, no data have been collected for this study yet