Reproduction of

< Insert title of original study >

by < Insert Names of original authors in Kedron, P.J. format >

in: Journal, Volume(Issue), pages

Replication Authors:
Insert replication author names in Peter Kedron format

Replication Materials are Available at:
Insert location of finalized replication materials, or procedure to access replication materials

Version 1.0 | Created February 12, 2021 | Last Updated February 12, 2021

Abstract

Briefly describe the original analysis – research design, analytical approach, and results; motivation of the replication; and outline of the replication study

*Related content is available on the project GitHub repository (https://github.com/HEGSRR) and OSF repository (WEB ADDRESS). **Current version:** February 12, 2021; **Corresponding Author:** Peter.Kedron@asu.edu

Original Study Information

Present key information about the original study.

1. Identify the type of study (e.g., experiment, observational, meta-analysis).
2. Describe the original effect – effect size, inference criteria (e.g., confidence interval), sample size
    a. Identify the spatial coverage over which each hypothesis is expected to hold, and the spatial coverage at which each hypothesis will be tested (e.g., the entire study area, a specific sub-region)
3. Provide the spatial extent of the study area and scale(s) of analysis
4. What type of sample/data did the original study use?
5. Are the data and code used in the original analysis available/used in this replication?

Sample and Data Description

1. Describe any sampling that will take place to conduct the replication. Provide details about the spatial structure of the sample and its geographic coverage.
2. Briefly describe the dataset(s), and any sub-set(s) of the data that will be used in this study.
    a. If selected datasets or sub-sets cover only portions of the overall study area, clearly identify which datasets are associated with which locations.
3. If the original study geographically masked the data, explain how the original data was accessed.

Materials and Procedure

Describe how the replication study will be implemented and identify any materials and procedures used to complete the replication.

1. For computational studies include information about the hardware and software environments of both the original study and the replication attempt.

Analysis

1. Explain how the analysis of the replication will proceed and identify if the analysis plan will match the original study.
2. Identify the criteria that will define whether the replication attempt was successful (e.g., matched statistical significance, direction of effect, similar magnitude of effect)

Differences from the Original Study

1. Identify any differences from the original study in a) location, b) sampling, c) data, d) measures/variable construction, d) analytical techniques
2. State how the differences identified above may influence the expected size/direction of the effect of the original study
3. Outline any steps that were taken to assess whether the differenced identified above will influence the outcome of the replication attempt.

Replication Results

Provide a judgement of the success or failure of the replication attempt following the criteria established in the *Analysis* section. Explain why the judgement was made.

1. Provide information about where others can find the produces (e.g., data, code, figures, reports) associated with the replication attempt.

Unplanned Deviations from the Protocol

Identify any unplanned deviations from the protocol presented above. Provide information as to why the deviation occurred and identify if/how the deviation may have affected the results of the replication attempt.

Discussion

Discuss key aspects of the replication attempt that are of particular interest or merit further discussion. If the attempt was a failure, discuss possible causes of the failure. *Practical Causes* – related to lack of

data, code, details in the original analysis; *Informative Causes* – related to absence of effect, change in population, or location. Identify any limitations of the replication attempt.

References
Include any referenced studies or materials