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Subtitle if necessary

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## **Study to be replicated and justification**

The study that we propose to replicate is XXX.

## **Type of replication**

We will complete a direct replication of the XXX study.

## **Variable modification**

To the extent possible we will not modify any of the variables used in the original study, which include the following:

## **Design and availability of materials**

The experimental design is rather modest and we are in contact with the original authors in order to obtain the original materials, which are not currently freely available. The original study included XX participants. Given the size of the effect encountered in the study, we plan to recruit approximately XX participants. This number was derived from a rudimentary power analysis.

## **Analysis**

One area in which our replication of XXX differs from the original study is in the analysis. Specifically, the outcome variable of XXX was the number of correct responses from the X task. The data were subsequently analyzed within a XXX ANOVA. We will not follow this approach. First, because an outcome variable that is a count is more appropriately modeled using poisson regression, and, second, because technological advances allow for more sophisticated analytic methods. Instead, we will use multilevel, hierarchical models to take into account grouping variables which result from the study design. Furthermore, we use Bayesian data analysis for all statistical inferences.

## **Other differences**

## **Impact**

## **References**