

## Loading required package: pacman

## Study Information

### 1. Title

Enter the title of your study here.

### 2. Description

Enter a description of your study here.

### 3. Authorship

Author A<sup>1</sup>

### 4. Affiliation

<sup>1</sup> Affiliation A

### 4. Hypotheses

1. List any *a priori* hypotheses here.

## Design Plan

### 5. Study Type

- Experiment - A researcher randomly assigns treatments to study subjects, this includes field or lab experiments. This is also known as an intervention experiment and includes randomized controlled trials.
- Observational Study - Data is collected from study subjects that are not randomly assigned to a treatment. This includes surveys, natural experiments, and regression discontinuity designs.
- Meta-Analysis - A systematic review of published studies.
- Other (explain your study type)

### 6. Blinding

- No blinding is involved in this study.
- For studies that involve human subjects, they will not know the treatment group to which they have been assigned.
- Personnel who interact directly with the study subjects (either human or non-human subjects) will not be aware of the assigned treatments. (Commonly known as “double blind”).
- Personnel who analyze the data collected from the study are not aware of the treatment applied to any given group.

### 7. Is there any additional blinding in this study?

Describe any additional blinding procedures here or state not applicable.

### 8. Study design

Describe your study design here.

## 9. Randomization

Enter details on randomization here or state not applicable.

## Sampling Plan

### 10. Existing data

- Registration prior to creation of data: As of the date of submission of this research plan for preregistration, the data have not yet been collected, created, or realized.
- Registration prior to any human observation of the data: As of the date of submission, the data exist but have not yet been quantified, constructed, observed, or reported by anyone - including individuals that are not associated with the proposed study. Examples include museum specimens that have not been measured and data that have been collected by non-human collectors and are inaccessible.
- Registration prior to accessing the data: As of the date of submission, the data exist, but have not been accessed by you or your collaborators. Commonly, this includes data that has been collected by another researcher or institution.
- Registration prior to analysis of the data: As of the date of submission, the data exist and you have accessed it, though no analysis has been conducted related to the research plan (including calculation of summary statistics). A common situation for this scenario when a large dataset exists that is used for many different studies over time, or when a data set is randomly split into a sample for exploratory analyses, and the other section of data is reserved for later confirmatory data analysis.
- Registration following analysis of the data: As of the date of submission, you have accessed and analyzed some of the data relevant to the research plan. This includes preliminary analysis of variables, calculation of descriptive statistics, and observation of data distributions. Please see [cos.io/prereg](https://cos.io/prereg) for more information.

### 11. Explanation of existing data

Describe any existing data or state not applicable.

### 12. Data collection procedures

Enter a description of your data collection procedures here.

### 13. Sample size

Enter a description of your sample size here.

### 14. Sample size rationale

Enter your sample size rationale here.

### 15. Stopping rule

Enter your stopping rule here or state not applicable.

## Variables

### 16. Manipulated variables

Describe manipulated variables here or state not applicable.

### 17. Measured variables

Describe your measured variables here.

## **18. Indices**

Describe any indices here or state not applicable.

## **Analysis Plan**

### **19. Statistical models**

Describe your planned statistical model(s) here.

### **20. Transformations**

Describe any transformations here or state not applicable.

### **21. Inference criteria**

Describe your inference criteria here or state not applicable.

### **22. Data exclusion**

Describe your data exclusion criteria here or state not applicable.

### **23. Missing data**

State your process for dealing with missing data or state not applicable.

### **24. Exploratory analysis**

Enter any plans for exploratory data analysis here or state not applicable.

## **Other**

### **25. Other**

Enter any additional information not covered by other sections, or state not applicable.

## **References**

Enter any references used throughout the text here.