

# TBD

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## **Abstract**

The abstract is about 150 words long and explains what you did, why, and what you found.

## Introduction

Here is why we did our experiment. We wanted to test a hypothesis to resolve an age old question.

The proposed experiment is seeking to determine the just noticeable auditory stimuli that a person hears while performing a task that has their attention. Previous research has shown that working memory for healthy people is not affected by distracting stimuli (Sawamura et al., 2014). Other research has shown that whenever audible stimulus occurs visual areas of the brain are turned off, focus on visual or audio information did not impact the reduction in activity in visual areas of the brain (Gau et al., 2020).

## Methods

Here is how we did the experiment. Our basic design was to measure reaction time and probability of being correct under two different conditions: fear vs. joy and sad vs. happy.

### Stimuli

We used some cool equipment

### Subjects

Lots of eager students served as subjects. We are happy that they volunteered.

### Procedure

We presented stimuli on nice Macintosh computers running PsychoPy (Peirce, 2009, 2007; Peirce et al., 2019; Peirce & MacAskill, 2018) software. First we trained the subjects, followed by a 25 hour testing session. No bathroom breaks were allowed.

## Results

Here are our results. You will be really impressed by our great graphs showing that our hypothesis was strongly supported by the results. We used bootstrapping procedures with `bootES` (Gerlanc & Kirby, 2015) to estimate the size and reliability of our main effect size. Cohen (1988, 1990) would be proud of us; we certainly are grateful for him. We also fitted a linear mixed-effects regression model to our data using the `lmer` function in the R-package `lme4`. We got happy F ratios. What great results we got.

## Discussion of Lotta I. Parole

Execpt for constant interference and snide remarks by the second author while we were planning this experiment, I realy enjoy the experience of designing and carrying out this experiment. We got geat results and show important effects.

## **Discussion of Author P. Scrivener**

I strongly disagree with the conclusions of my other two authors. They don't know what they are talking about and none of our independent variables influenced our dependent variable.

## **Discussion of Susan B. Antimony**

I loved working with the second author. She had lots of ideas (some good) and I think our results show that independent variables are not as independent as many misguided people believe. Further research is needed. Give us money and we'll do it.

## Authors Notes

This manuscript was prepared with RStudio (RStudio Team, 2019) using R-Markdown. We used `r_cite_r("my_Lab_5.0_additional_files/r-references.bib")` for all our analyses. The experiment was run with PsychoPy3 software (Peirce, 2009, 2007; Peirce et al., 2019; Peirce & MacAskill, 2018). We used `r_cite_r("my_Lab_5.0_additional_files/r-references.bib")` for all our analyses.

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