

# Music Versus No Music Effectiveness On Cognitive Response Time and Typing Efficiency

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The abstract does not get added until after the project is finished or nearly finished.

CCS Concepts: • **Music, Typing Efficiency;**

Additional Key Words and Phrases: Typing Efficiency with Music, Cognitive Function

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## 1 INTRODUCTION

This project will focus on people's ability to type with distractions such as different types of music playing. Then it will test their cognitive ability to focus on a hand/eye coordination test in which we will test how well they can match shapes by measuring speed and accuracy. The two-part test aims to help test if the music is too distracting or will help the people be more efficient at their work. This is important because many people do their homework or jobs while listening to music and should they make a mistake, it could end up costing someone their grade or the mistake at work has a cascading effect to cause more errors in their work. The two-part test will help determine if there is a correlation between the effectiveness of music versus no music on cognitive response time and typing efficiency.

## 2 METHODOLOGY

After obtaining consent from all participants, they will proceed to take the typing test. The test will present lyrics from popular songs within a graphical user interface (GUI). The interface will automatically calculate typing speed and accuracy in the program's backend, allowing participants to focus solely on completing the test. Each participant will

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complete the typing test under three conditions: Music with lyrics, Music without lyrics, and No music (silent condition). Multiple levels of music intensity may be utilized within each condition to assess varying degrees of distraction.

Following the typing test, participants will proceed to the cognitive task component of the study, which will also be conducted under the three aforementioned conditions.

This is a placeholder for a citation cos otherwise the compiler throws errors [1].

## 2.1 Participants

Participants

## 2.2 Apparatus

Apparatus

## 2.3 Procedure

Procedure

## 2.4 Design

Design

## 3 RESULTS AND DISCUSSION

Results and Discussion

## 4 CONCLUSION

Conclusion

## REFERENCES

[1] 2010. The Effects of Audio Distractions on Typing Speed. *Undergraduate Psychology Research Methods Journal* 1 (2010).