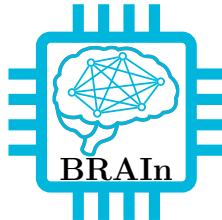


Introduction to Experimental Design

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1 Introduction

- Cognitive Neurosciences and Engineering
- What is experimental design?
- Cognitive neurosciences and Music

2 Fundamentals of experimental design

- Dependent and independent variables
- Experimental groups and control groups
- Types of experimental design

3 Examples

- Reading time ! Cognitive Neurosciences studies
- Discussion

4 Experimental design in practice

- Practice time ! Design your own experiment
- Presentations / Discussion

5 Conclusion

- Wrap-up
- What's next ?

- Cognitive neurosciences is the scientific field that is concerned with the study of the biological processes and aspects that underlie cognition, with a specific focus on the neural connections in the brain which are involved in mental processes.
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Cognitive neurosciences and Music

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Types of experimental design

Discussion

Design your own experiment

Wrap-up

What's next ?