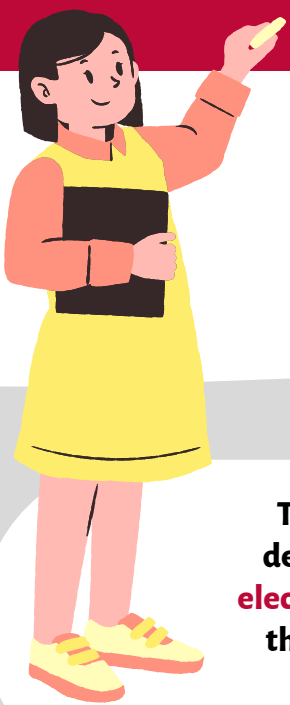


POTENTIALITIES AND LIMITATIONS OF THE USE OF EEG DEVICES IN EDUCATIONAL CONTEXTS

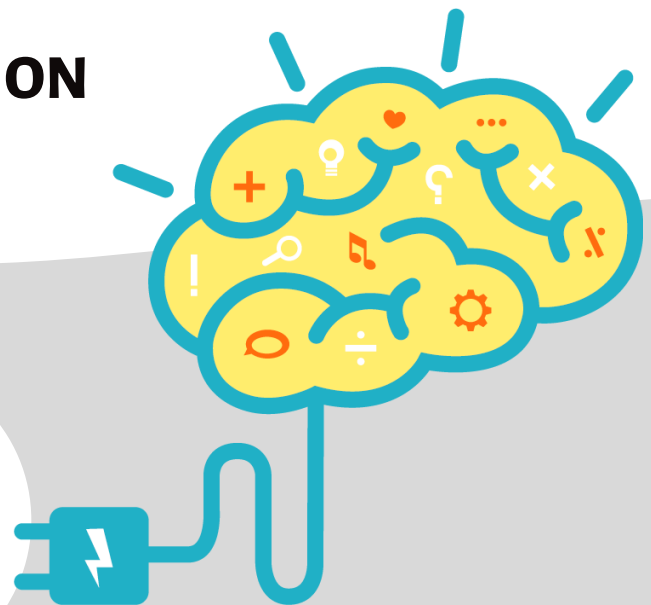
Dr. Alfonso García-Monge, Dr. Henar Rodríguez-Navarro and Dr. José María Marbán-Prieto

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INTRODUCTION

The development of new portable devices for the recording of **wireless electroencephalography** has opened up the possibility of moving studies on brain activity from laboratory conditions to real-world contexts.



METHODOLOGY

In this article, using a case study with a group of third-grade primary school students, we aim to show some of the potentialities and limitations of research with these devices in educational settings.

N=17
Students in 3rd grade of primary education



The electroencephalographic activity of the students was recorded while they listened to **different explanations about math applications and performed some arithmetic tasks.**

CONCLUSIONS



Among their potentialities are the knowledge that **they allow access to different cognitive and emotional processes**, and the learning opportunity represented by the links between researchers and educational communities.

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