Removal of EEG Ocular Artifacts

John Smith*

University of California
john@smith.com

Abstract

Here is the abstract.

1 Introduction

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1.1 Related Work

2 Optimization of hyperparameters for Ocular Artifact Correction

short overview, maybe show a figure describing the pipeline.

2.1 Ocular Artifact Correction

General intro to oacl. What is the approach.

2.1.1 Artifact Detection

Explain how we detect artifacts and get artifact signals.

2.1.2 Artifact Removal

Explain how we use the artifact signals to remove artifacts from the eeg signal.

2.2 Filter-bank CSP

Here we talk about FBSCP, what it is, how it works and why we use it.

2.3 Bayesian Optimization

2.4 Motor Imagery Classification

3 Experimental Results

Here we present how we tested/evaluated the pipeline, which data we evaluated on and the results we got from the our validation efforts.

Table 1: *Example table*

Name		
First name	Last Name	Grade
John	Doe	7.5
Richard	Miles	2

$$e = mc^2 \tag{1}$$

3.1 Discussion

Here we discuss the results given in section 3, and talk more about what the results imply/how it could be improved.

4 Conclusion

Here we conclude on the paper by summarizing what we did and what our results was. Furthermore we address how the problem could be further improved/investigated.

References

[Figueredo and Wolf, 2009] Figueredo, A. J. and Wolf, P. S. A. (2009). Assortative pairing and life history strategy - a cross-cultural study. *Human Nature*, 20:317–330.

*A thank you or further information