Project 3: Movement Decoding for Brain Computer Interfaces

**<Your name here>**

**<Your email here>**

##### Abstract

Insert a very brief paragraph describing the content of your project. Highlight the novelties of what you did. Keep in mind that the entire report **CANNOT BE LONGER THAN 4 PAGES** **IN THIS FORMAT**!

# 1. Overview

Introduce what you did in the project.

# 2. Mathematical Formulation

Describe how you solve the SVM problem.

# 3. Experimental Results

For the first training fold, show the values of and in a table. For , you only need to show the five most dominant values with the largest magnitude.

For the first training fold, show the channel weights plot as introduced in the lecture slide (Slide #15).

Show the test accuracy of each fold in a table.

Show the mean accuracy and standard deviation of all folds.

You can also show any other interesting results that you find in this project.

You can also compare the results with other results which you estimated using a different learning algorithm.

# 4. Discussion

Please try to interpret your experimental results. Topics may include, but not limited to:

* Factors that may impact classification accuracy.
* Limits or problems of your approach
* Possible improvements that can be done
* Anything unique you have done to improve/validate your program’s accuracy/efficiency

# References

1. Use an enumerated list here for any references, such as books or journal/conference papers.