# Decomposition of Muscle Activity for Sensorimotor Neuroscience Final Report

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## Executive Summary

## Introduction

## Data Science Methods

The data science methods used in Negro et al. (2016) include a modification of independent component analysis that we refer to generically as latent component analysis (LCA) and the KMeans algorithm.

## Data Product and Results

## Conclusions and Recommendations

## References

Negro, Francesco, Silvia Muceli, Anna Margherita Castronovo, Ales Holobar, and Dario Farina. 2016. "Multi-Channel Intramuscular and Surface EMG Decomposition by Convolutive Blind Source Separation." *Journal of Neural Engineering* 13 (2): 026027. https://doi.org/10.1088/1741-2560/13/2/026027.