

## **READ ME**

This project and the provided materials were (and can be) used to investigate the biomechanical function of intrinsic foot muscles during bipedal locomotion when walking on uneven surfaces. All experiments were performed in the Biomechanics at James Madison University. Each file provided is electromyographic data for a specific subject for a specific trial when walking on a specific substrate. “S000” refers to the subject number, “Flat” refers to the flat substrate condition, “US” refers to the upslope condition, “DS” refers to downslope condition. The beginning portion of the code is used to process each individual file and results in the creation of a master data set. The master data set is provided as *b12.csv*. Have fun!