**Chapter\_3\_Scripts\Data folder README**

This document describes the contents of the folder Chapter\_3\_Scripts\Data. It includes the raw Spike 2 data files used in the analysis for Chapter 3: Frequency analysis of TMS/TMES response reveals task- dependent shift in central drive to Biceps Brachii.

**Dependencies**

* CED Spike 2 v8.10
* Microsoft Excel

**Contents**

* **EMG\_Data\_smrx (available on request)**
  + **CMEP\_CYCLE\_6 … etc (one per condition)**
    - aa\_cmep6\_032713.smrx … etc (one per subject). Files containing the original unprocessed EMG data. The stimulus artefacts for the trials used in the analysis have been marked in the channel “32 Memory”. One for each of the 10 subjects.
    - aa\_cmep6\_032713.s2rx …etc (one per subject). Spike 2 resource files associated with .smrx/.smr files. One for each .smrx file.
* **Results\_Data\_Average\_srf (available on request)**
  + **CMEP\_CYCLE\_6 … etc (one per condition)**
    - aa\_cmep6\_032713.srf … etc (one per subject). One data file for each subject containing rectified average EMG traces for that subject.
    - aa\_cmep6\_032713.s2rx … etc (one per subject). Spike 2 resource files associated with .srf files. One for each .srf file.
    - CMEP\_CYCLE\_6.srf … etc. The grand average of EMG traces generated from all subject averages from individuals for that condition.
    - CMEP\_CYCLE\_6.s2rx … etc. Spike 2 resource files associated with .srf files. One for each .srf file.
* **Results\_TimeToPeak\_xlsx (available on request)**
  + CMEP\_CYCLE\_6.xlsx … etc (one per condition). Results files to hold data from the time-to-peak analysis.
* \_README.docx. This document.