Data examples for presentation
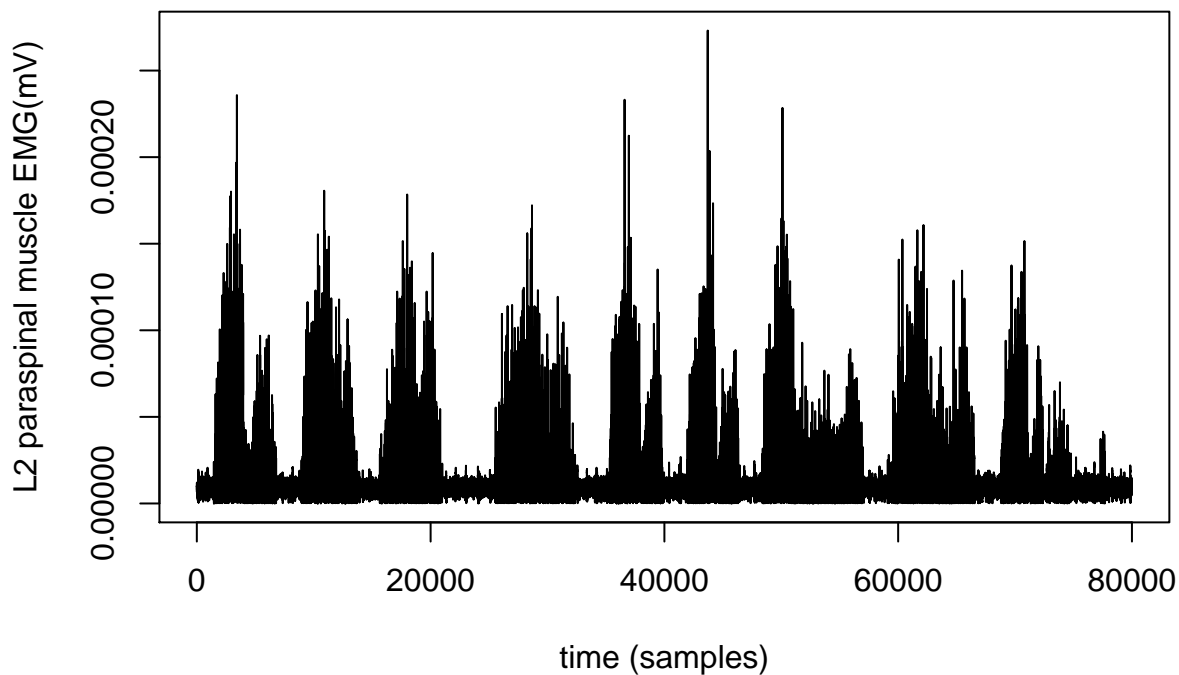
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```r
library(biosignalEMG)
```

```
## Warning: package 'biosignalEMG' was built under R version 4.0.2
```
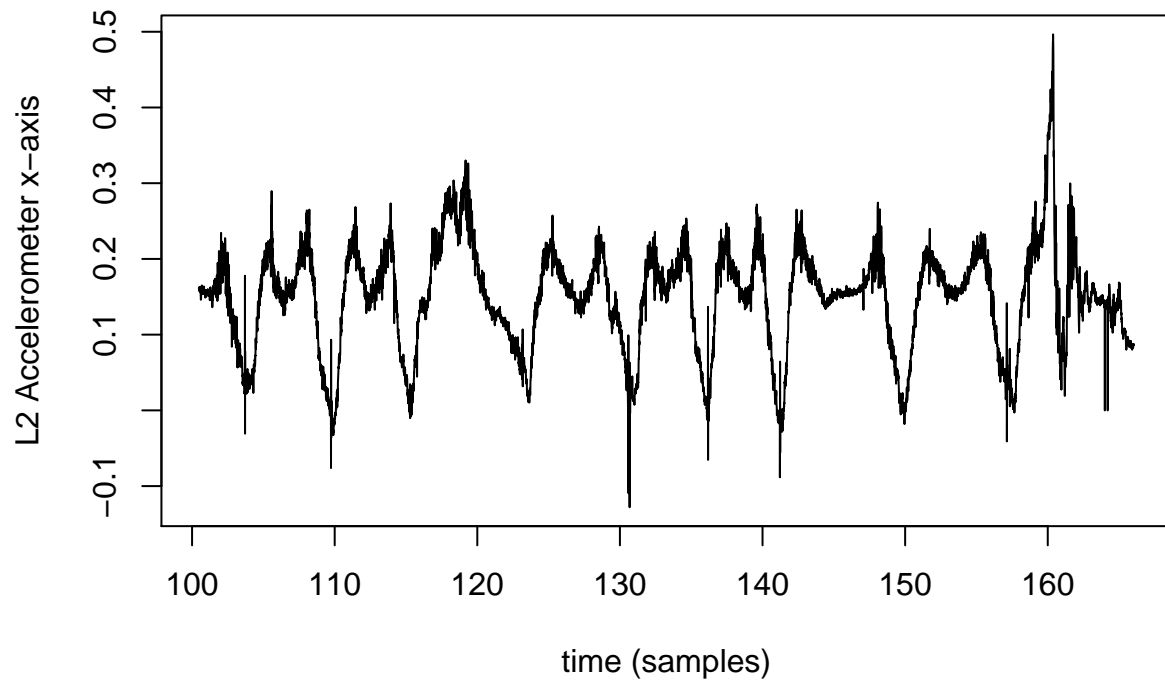
```r
emg_IMU_4 <- read.csv("../home_test_data_20201004/emg_Run_4.csv")
emgB_4_rect <- emg_IMU_4[130000:210000,16]
emgB_4_rect <- emg(emgB_4_rect, samplingrate = 1261, units = "mV", data.name = "L2 paraspinal muscle EMG
emgB_4_rect <- rectification(emgB_4_rect, rtype = "fullwave")
plot(emgB_4_rect, main = "Free standing flexion and return EMG", type = "l")
```



```r
plot(emg_IMU_4[14886:24600,3], emg_IMU_4[14886:24600,4], main = "Free standing flexion and return sagitt
     xlab = "time (samples)", ylab = "L2 Accelerometer x-axis",type = "l")
```

Free standing flexion and return sagittal plane acceleration


```
nirs_4 <- read.csv("../home_test_data_20201004/nirs_Run_4.csv")
plot(nirs_4[530:880,2], main = "Free standing flexion and return SmO2 (NIRS)",
     xlab = "time (samples)", ylab = "SmO2 at L2 paravertebral muscle", type = "l")
```

Free standing flexion and return SmO2 (NIRS)