MDD Subjects: BL vs SWD

One-way ANOVA:

```
> res <- aov(EMGPeakToPeak ~ Label, df %>% filter(Group == 2))
> summary(res)
            Df Sum Sq Mean Sq F value Pr(>F)
             1 8025321 8025321 97.38 <2e-16 ***
Residuals 5374 442865210 82409
Signif. codes: 0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
# Robust tests
> X <- filter(df, Group == 2)</pre>
> a <- X %>% filter(Type == "SWD")
> b <- X %>% filter(Type == "BL")
# Wilcox test (median comparison): Differences between medians were found
> wilcox.test(a$EMGPeakToPeak, b$EMGPeakToPeak)
        Wilcoxon rank sum test with continuity correction
data: a$EMGPeakToPeak and b$EMGPeakToPeak
W = 1557564, p-value = 1.251e-11
alternative hypothesis: true location shift is not equal to 0
# Permutation test (mean): Significant differences found
> summary(lmp(EMGPeakToPeak~Label,data=X))
Coefficients:
  Estimate Iter Pr(Prob)
Label1 -43.89 5000 <2e-16 ***
```

Two-way ANOVA:

```
Label:ISI 1 393228 393228 5.184 0.0229 *
Residuals 3308 250947288 75861
```

Signif. codes: 0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1



