Hypothesis Testing for NSF Office Stress Project - Full Sensor Set

Below are the test results for each of the Conditions that had $n \ge 7$ subjects. Statistical testing can have three different possible outcomes: the data is already normal (t-test), the logarithm of the data is normal (t-test with log data), or the data is NOT normal (Wilcoxon test).

For notation, let:

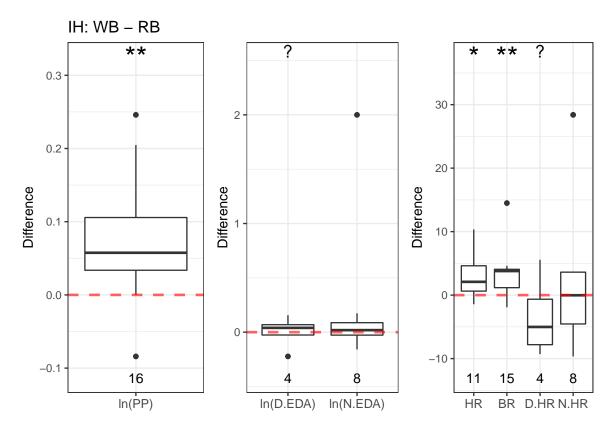
```
WB-RB = Writing Baseline - Resting Baseline
SC-RB = Stress Condition - Resting Baseline
SC-WB = Stress Condition - Writing Baseline
DT-RB = Dual Task - Resting Baseline
DT-WB = Dual Task - Writing Baseline
DT-SC = Dual Task - Stress Condition
P-RB = Presentation - Resting Baseline
P-WB = Presentation - Writing Baseline
P-SC = Presentation - Stress Condition
P-DT = Presentation - Dual Task
```

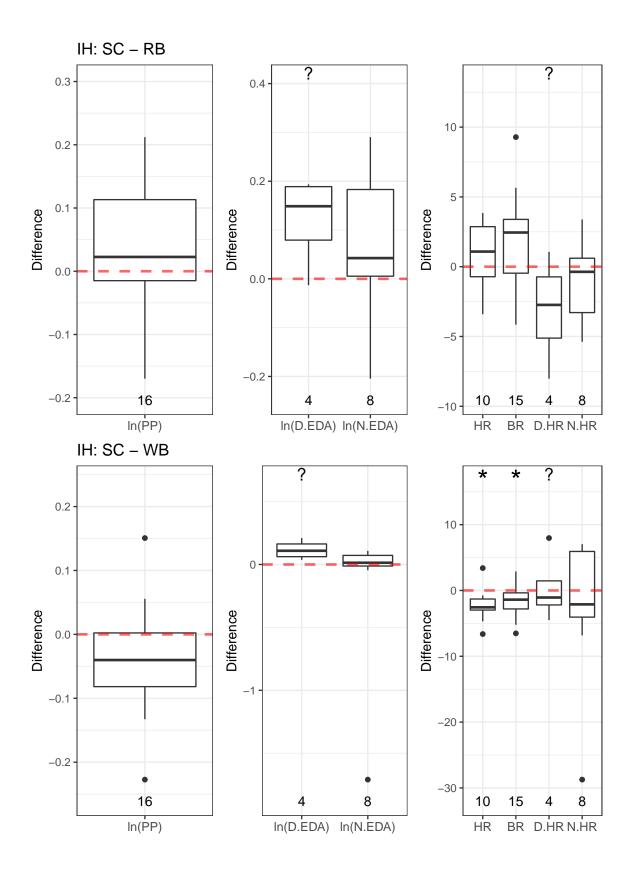
For each of the graphs, let:

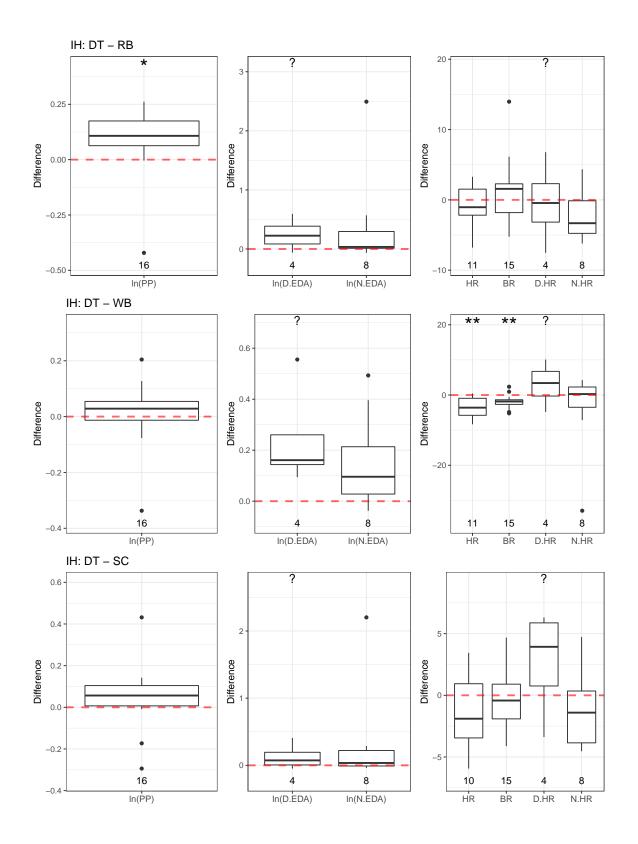
```
 ** = 0.01 
<math display="block"> ** = 0.001 
<math display="block"> *** = p <= 0.001 
 ? = Did not run statistical test (n < 7)
```

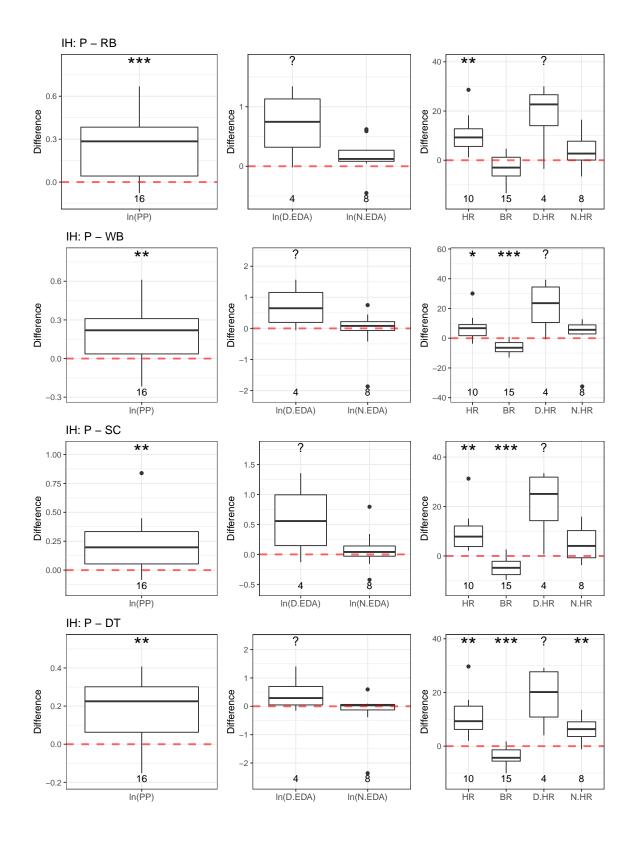
Intermittent-High (IH)

Sensor Channels per Session

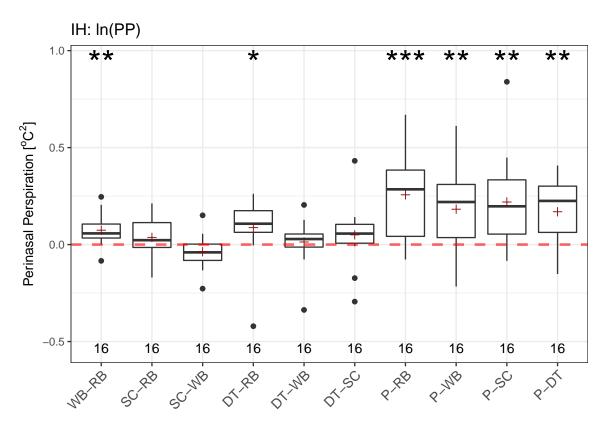






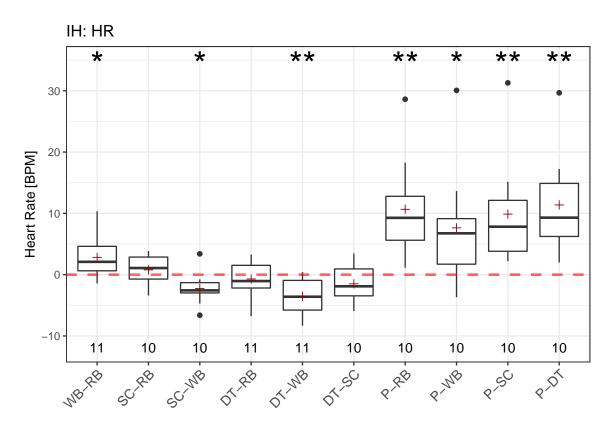


Sensor Channel across Session



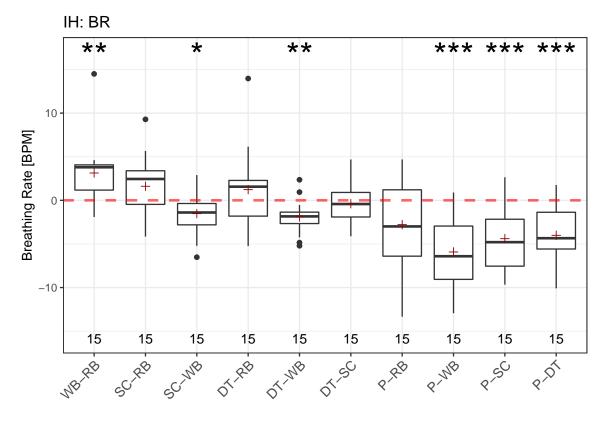
```
## In the following tests, we applied ln(PP).
## Writing Baseline - Resting Baseline
## Transformed t-test p = 0.0025 < 0.01 **
## Stress Condition - Resting Baseline
## Transformed t-test p = 0.1711 > 0.05
## StressCondition - Writing Baseline
## Transformed t-test p = 0.0994 > 0.05
## Dual Task - Resting Baseline
## Transformed t-test p = 0.0395 < 0.05 *
##
## Dual Task - Writing Baseline
## Transformed t-test p = 0.6591 > 0.05
## Dual Task - Stress Condition
## Transformed t-test p = 0.2055 > 0.05
## Presentation - Resting Baseline
## Transformed t-test p = 2e-04 < 0.001 ***
##
```

```
## Presentation - Writing Baseline
## Transformed t-test p = 0.003 < 0.01 **
##
## Presentation - Stress Condition
## Transformed t-test p = 0.002 < 0.01 **
##
## Presentation - Dual Task
## Transformed t-test p = 0.0024 < 0.01 **</pre>
```



```
## Writing Baseline - Resting Baseline
## t-test p = 0.0188 < 0.05 *
## Stress Condition - Resting Baseline
## t-test p = 0.3553 > 0.05
##
## StressCondition - Writing Baseline
## t-test p = 0.0243 < 0.05 *
##
## Dual Task - Resting Baseline
## t-test p = 0.4335 > 0.05
## Dual Task - Writing Baseline
## t-test p = 0.0036 < 0.01 **
## Dual Task - Stress Condition
## t-test p = 0.1614 > 0.05
##
## Presentation - Resting Baseline
## t-test p = 0.0024 < 0.01 **
## Presentation - Writing Baseline
## t-test p = 0.0289 < 0.05 *
## Presentation - Stress Condition
```

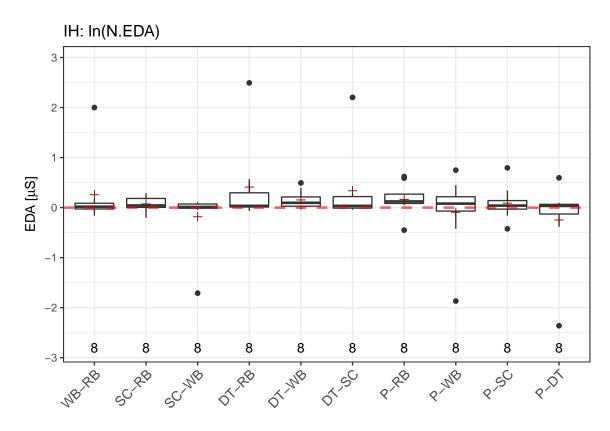
```
## t-test p = 0.0063 < 0.01 **
##
## Presentation - Dual Task
## t-test p = 0.0015 < 0.01 **</pre>
```



```
## Writing Baseline - Resting Baseline
## t-test p = 0.0075 < 0.01 **
## Stress Condition - Resting Baseline
## t-test p = 0.1189 > 0.05
##
## StressCondition - Writing Baseline
## t-test p = 0.0318 < 0.05 *
##
## Dual Task - Resting Baseline
## t-test p = 0.3323 > 0.05
## Dual Task - Writing Baseline
## t-test p = 0.0023 < 0.01 **
## Dual Task - Stress Condition
## t-test p = 0.5106 > 0.05
##
## Presentation - Resting Baseline
## t-test p = 0.0545 > 0.05
## Presentation - Writing Baseline
## t-test p = 1e-04 < 0.001 ***
## Presentation - Stress Condition
```

```
## t-test p = 4e-04 < 0.001 ***
## Presentation - Dual Task
## t-test p = 5e-04 < 0.001 ***
```

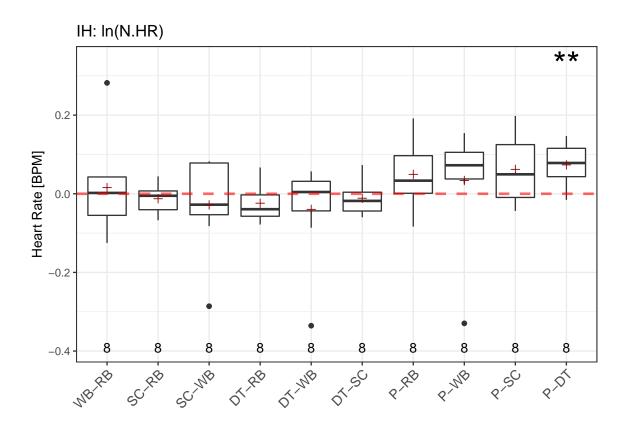
 $\mbox{\tt \#\#}$ IH has LESS than 7 subjects for D.EDA. Cannot continue with test. ## ----



```
## In the following tests, we applied ln(N.EDA).
## Writing Baseline - Resting Baseline
## Transformed t-test p = 0.3403 > 0.05
## Stress Condition - Resting Baseline
## Transformed t-test p = 0.243 > 0.05
## StressCondition - Writing Baseline
## Transformed t-test p = 0.4308 > 0.05
##
## Dual Task - Resting Baseline
## Transformed t-test p = 0.2214 > 0.05
## Dual Task - Writing Baseline
## Transformed t-test p = 0.0592 > 0.05
## Dual Task - Stress Condition
## Transformed t-test p = 0.2522 > 0.05
##
## Presentation - Resting Baseline
## Transformed t-test p = 0.2098 > 0.05
##
## Presentation - Writing Baseline
## Transformed t-test p = 0.7495 > 0.05
```

```
##
## Presentation - Stress Condition
## Transformed t-test p = 0.5001 > 0.05
##
## Presentation - Dual Task
## Transformed t-test p = 0.4611 > 0.05
```

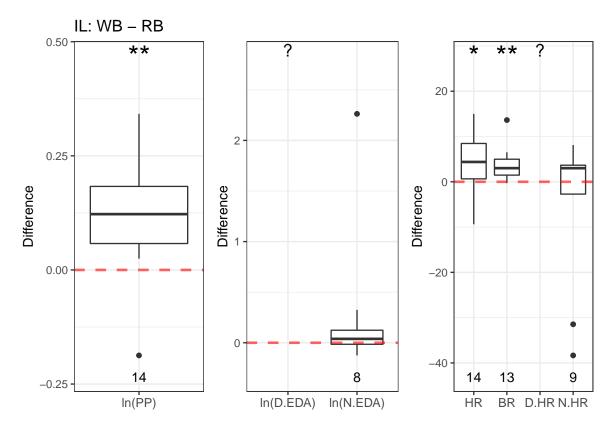
 $\mbox{\tt \#\#}$ IH has LESS than 7 subjects for D.HR. Cannot continue with test. $\mbox{\tt \#\#}$ -----

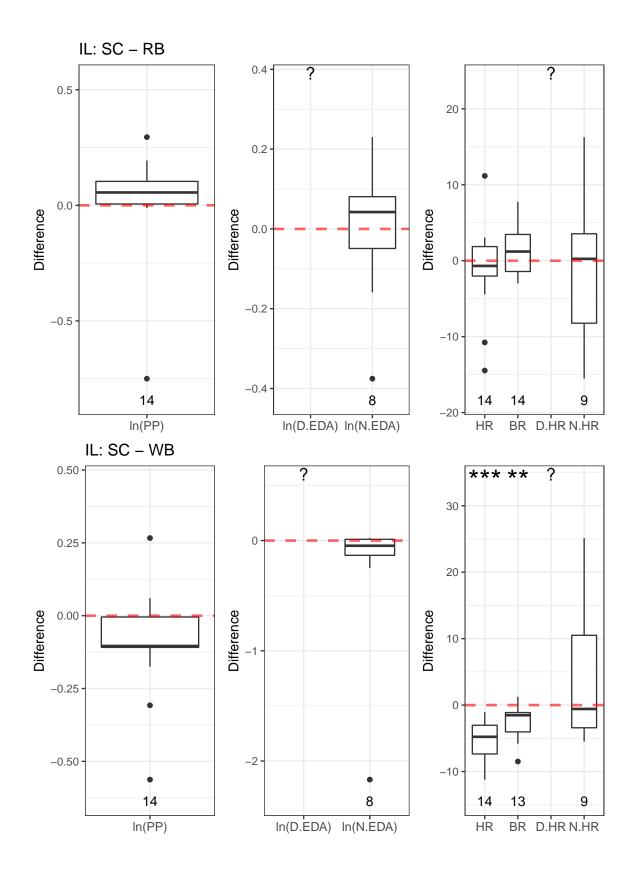


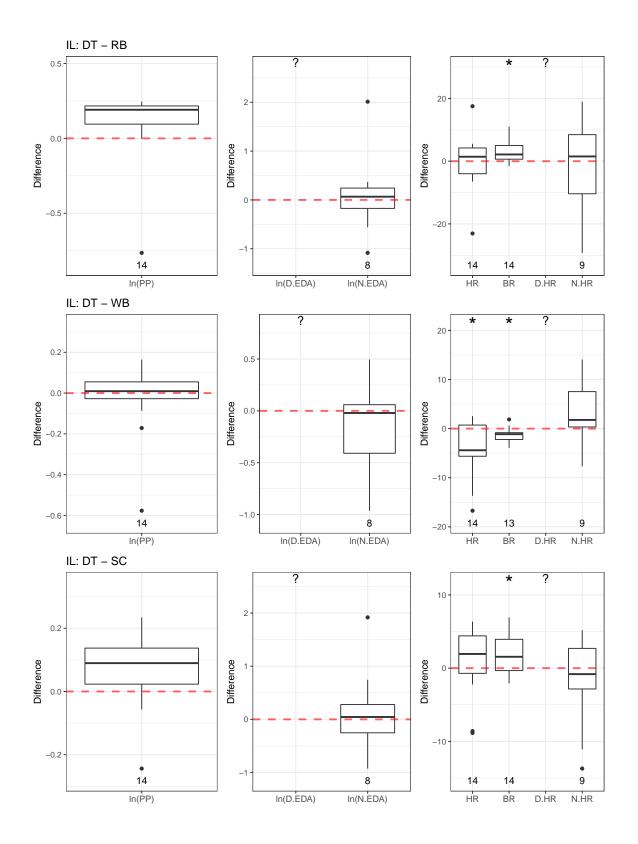
```
## Writing Baseline - Resting Baseline
## Transformed t-test p = 0.7304 > 0.05
## Stress Condition - Resting Baseline
## Transformed t-test p = 0.3455 > 0.05
##
## StressCondition - Writing Baseline
## Transformed t-test p = 0.5336 > 0.05
## Dual Task - Resting Baseline
## Transformed t-test p = 0.2237 > 0.05
## Dual Task - Writing Baseline
## Transformed t-test p = 0.409 > 0.05
## Dual Task - Stress Condition
## Transformed t-test p = 0.492 > 0.05
## Presentation - Resting Baseline
## Transformed t-test p = 0.1963 > 0.05
## Presentation - Writing Baseline
## Transformed t-test p = 0.5533 > 0.05
## Presentation - Stress Condition
```

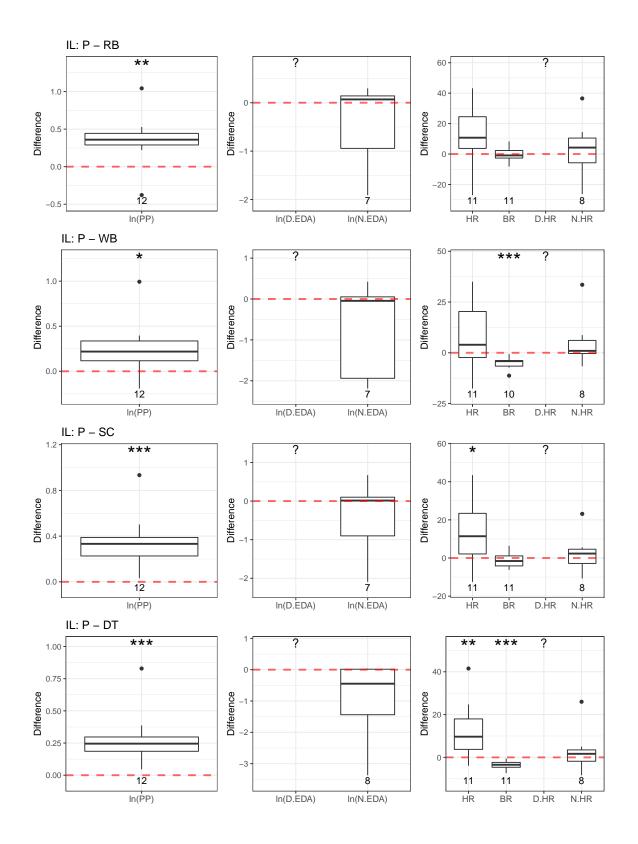
Intermittent-Low (IL)

Sensor Channels per Session

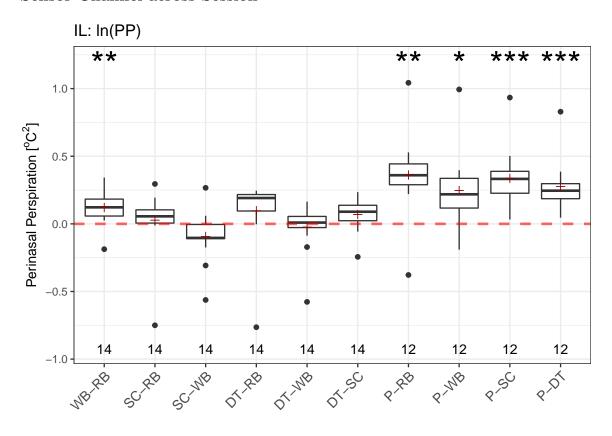






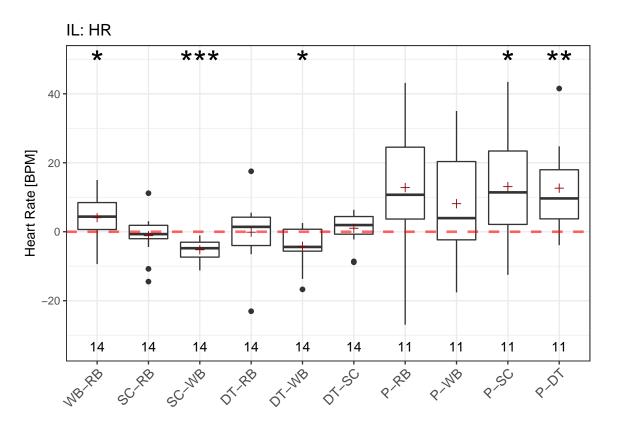


Sensor Channel across Session



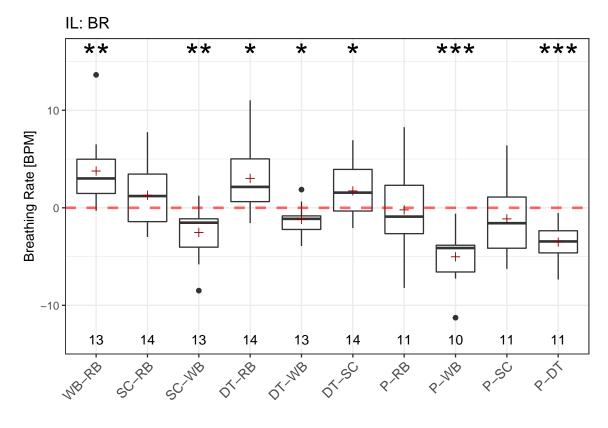
```
## Writing Baseline - Resting Baseline
## Transformed t-test p = 0.0038 < 0.01 **
## Stress Condition - Resting Baseline
## Transformed t-test p = 0.6777 > 0.05
## StressCondition - Writing Baseline
## Transformed t-test p = 0.0839 > 0.05
## Dual Task - Resting Baseline
## Transformed t-test p = 0.1857 > 0.05
##
## Dual Task - Writing Baseline
## Transformed t-test p = 0.6271 > 0.05
## Dual Task - Stress Condition
## Transformed t-test p = 0.0549 > 0.05
## Presentation - Resting Baseline
## Transformed t-test p = 0.0023 < 0.01 **
##
## Presentation - Writing Baseline
## Transformed t-test p = 0.0135 < 0.05 *
```

```
##
## Presentation - Stress Condition
## Transformed t-test p = 4e-04 < 0.001 ***
##
## Presentation - Dual Task
## Transformed t-test p = 6e-04 < 0.001 ***</pre>
```



```
## Writing Baseline - Resting Baseline
## t-test p = 0.0318 < 0.05 *
## Stress Condition - Resting Baseline
## t-test p = 0.4931 > 0.05
##
## StressCondition - Writing Baseline
## t-test p = 0 < 0.001 ***
##
## Dual Task - Resting Baseline
## t-test p = 0.9564 > 0.05
## Dual Task - Writing Baseline
## t-test p = 0.0154 < 0.05 *
## Dual Task - Stress Condition
## t-test p = 0.4432 > 0.05
##
## Presentation - Resting Baseline
## t-test p = 0.0552 > 0.05
## Presentation - Writing Baseline
## t-test p = 0.1202 > 0.05
## Presentation - Stress Condition
```

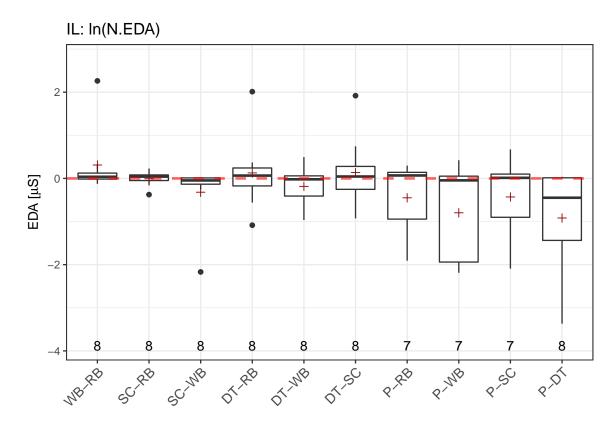
```
## t-test p = 0.0209 < 0.05 *
##
## Presentation - Dual Task
## t-test p = 0.0094 < 0.01 **</pre>
```



```
## Writing Baseline - Resting Baseline
## t-test p = 0.0029 < 0.01 **
## Stress Condition - Resting Baseline
## t-test p = 0.1716 > 0.05
##
## StressCondition - Writing Baseline
## t-test p = 0.0057 < 0.01 **
##
## Dual Task - Resting Baseline
## t-test p = 0.011 < 0.05 *
## Dual Task - Writing Baseline
## t-test p = 0.0141 < 0.05 *
## Dual Task - Stress Condition
## t-test p = 0.0397 < 0.05 *
##
## Presentation - Resting Baseline
## t-test p = 0.8862 > 0.05
## Presentation - Writing Baseline
## t-test p = 4e-04 < 0.001 ***
## Presentation - Stress Condition
```

```
## t-test p = 0.3486 > 0.05
## Presentation - Dual Task
## t-test p = 2e-04 < 0.001 ***
```

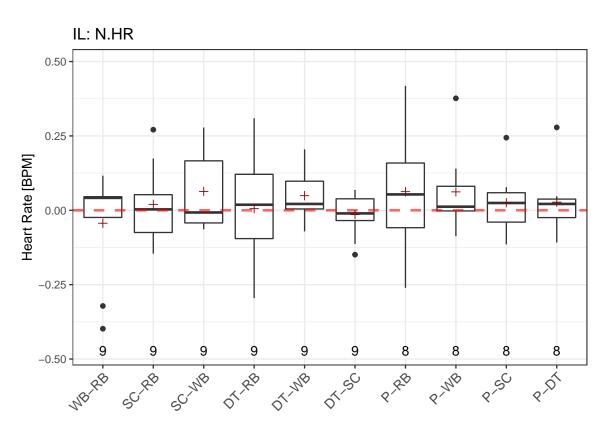
 $\mbox{\tt \#\#}$ IL has LESS than 7 subjects for D.EDA. Cannot continue with test.



```
## Writing Baseline - Resting Baseline
## Transformed t-test p = 0.3071 > 0.05
## Stress Condition - Resting Baseline
## Transformed t-test p = 0.9091 > 0.05
##
## StressCondition - Writing Baseline
## Transformed t-test p = 0.2689 > 0.05
## Dual Task - Resting Baseline
## Transformed t-test p = 0.6976 > 0.05
## Dual Task - Writing Baseline
## Transformed t-test p = 0.3365 > 0.05
## Dual Task - Stress Condition
## Transformed t-test p = 0.6807 > 0.05
## Presentation - Resting Baseline
## Transformed t-test p = 0.273 > 0.05
## Presentation - Writing Baseline
## Transformed t-test p = 0.119 > 0.05
## Presentation - Stress Condition
```

```
## Transformed t-test p = 0.3207 > 0.05 ## ## Presentation - Dual Task ## Transformed t-test p = 0.0707 > 0.05
```

 $\mbox{\tt \#\#}$ IL has LESS than 7 subjects for D.HR. Cannot continue with test. $\mbox{\tt \#\#}$ -----



```
## Writing Baseline - Resting Baseline
## Wilcoxon p = 0.8203 > 0.05
## Stress Condition - Resting Baseline
## Wilcoxon p = 0.8203 > 0.05
##
## StressCondition - Writing Baseline
## Wilcoxon p = 0.4258 > 0.05
## Dual Task - Resting Baseline
## Wilcoxon p = 0.7344 > 0.05
## Dual Task - Writing Baseline
## Wilcoxon p = 0.2031 > 0.05
## Dual Task - Stress Condition
## Wilcoxon p = 0.9102 > 0.05
##
## Presentation - Resting Baseline
## Wilcoxon p = 0.4609 > 0.05
## Presentation - Writing Baseline
## Wilcoxon p = 0.3125 > 0.05
## Presentation - Stress Condition
```

```
## Wilcoxon p = 0.7422 > 0.05
```

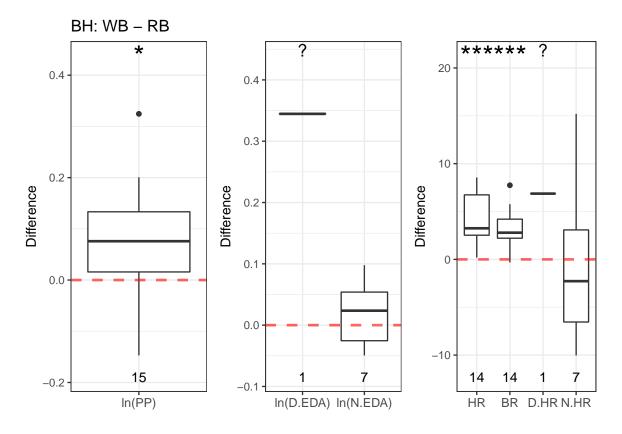
##

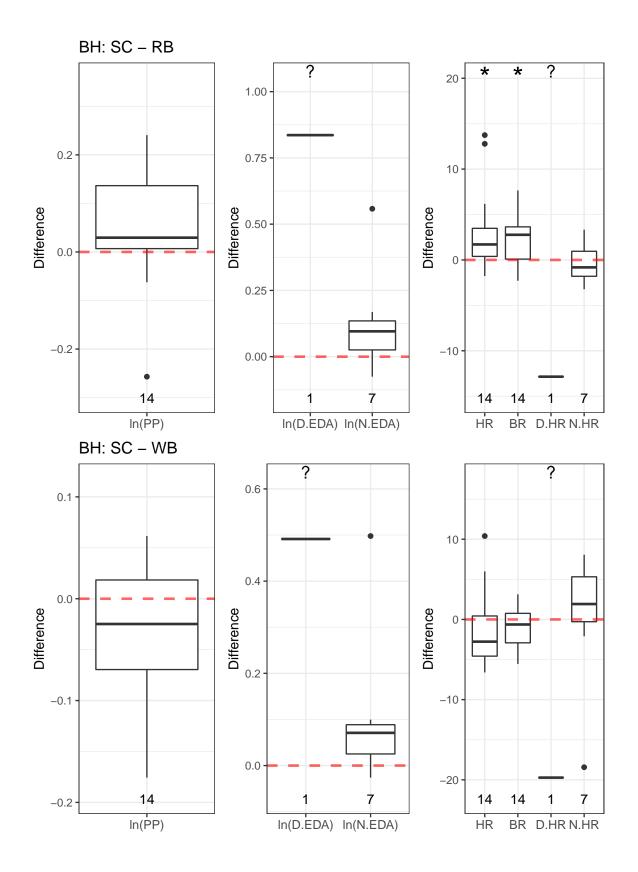
Presentation - Dual Task

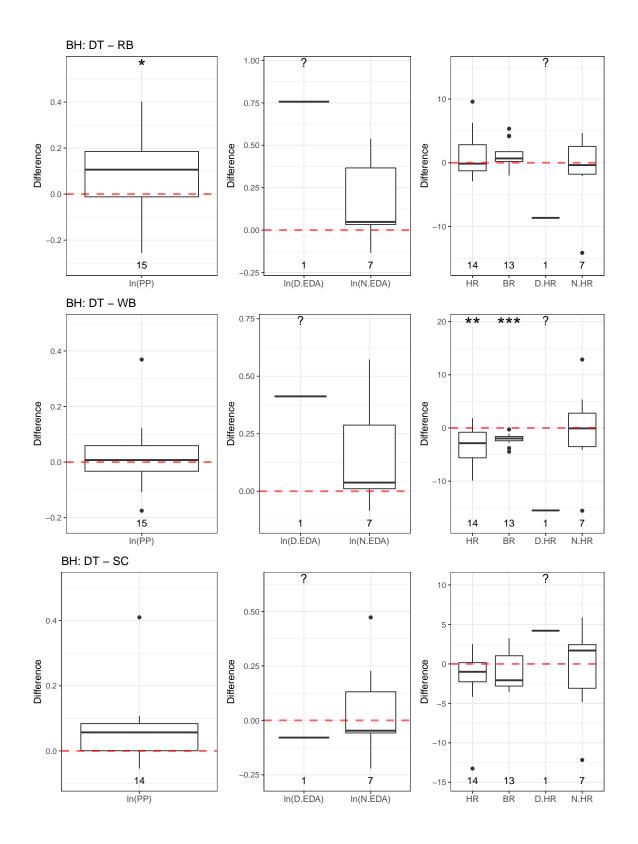
Wilcoxon p = 0.7422 > 0.05

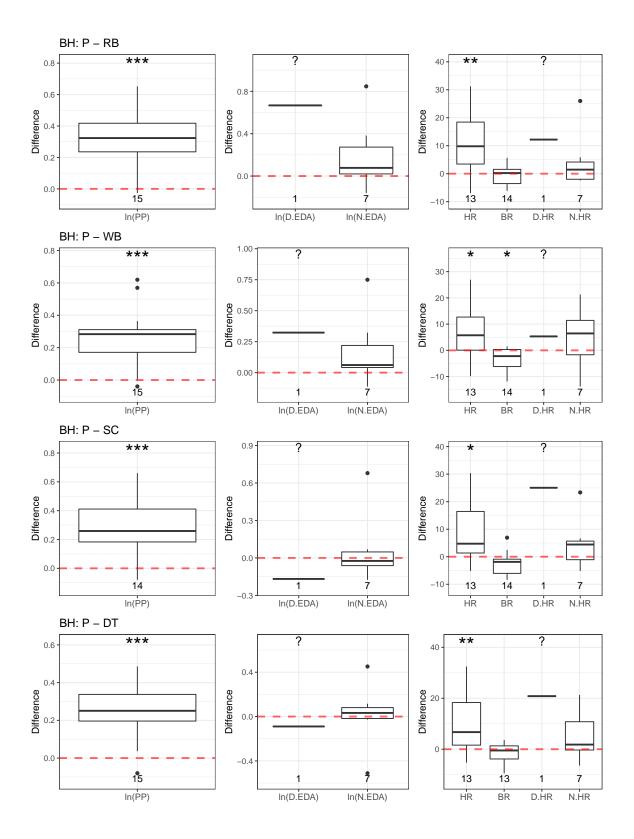
Batch-High (BH)

Sensor Channels per Session

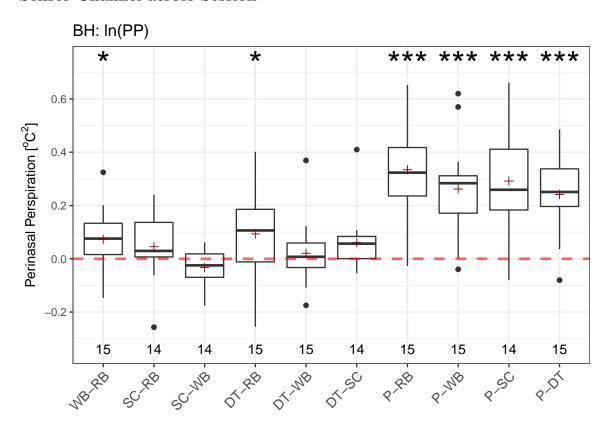






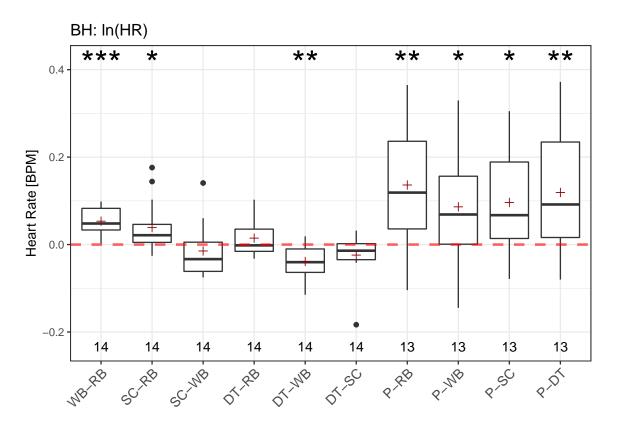


Sensor Channel across Session



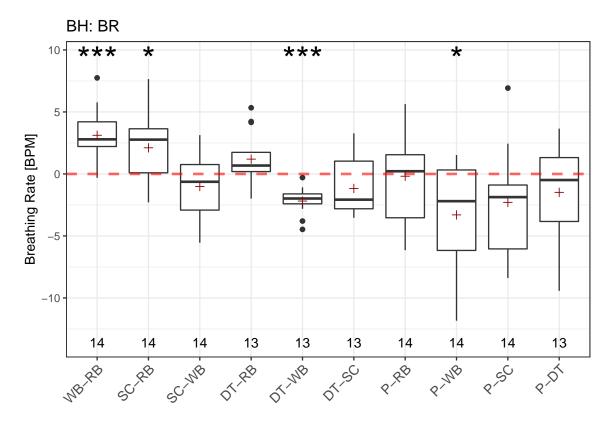
```
## Writing Baseline - Resting Baseline
## Transformed t-test p = 0.0219 < 0.05 *
## Stress Condition - Resting Baseline
## Transformed t-test p = 0.1778 > 0.05
## StressCondition - Writing Baseline
## Transformed t-test p = 0.0974 > 0.05
## Dual Task - Resting Baseline
## Transformed t-test p = 0.0363 < 0.05 *
##
## Dual Task - Writing Baseline
## Transformed t-test p = 0.526 > 0.05
## Dual Task - Stress Condition
## Transformed t-test p = 0.063 > 0.05
## Presentation - Resting Baseline
## Transformed t-test p = 0 < 0.001 ***
##
## Presentation - Writing Baseline
## Transformed t-test p = 1e-04 < 0.001 ***
```

```
##
## Presentation - Stress Condition
## Transformed t-test p = 1e-04 < 0.001 ***
##
## Presentation - Dual Task
## Transformed t-test p = 0 < 0.001 ***</pre>
```



```
## Writing Baseline - Resting Baseline
## Transformed t-test p = 0 < 0.001 ***
## Stress Condition - Resting Baseline
## Transformed t-test p = 0.0327 < 0.05 *
##
## StressCondition - Writing Baseline
## Transformed t-test p = 0.3941 > 0.05
## Dual Task - Resting Baseline
## Transformed t-test p = 0.2172 > 0.05
## Dual Task - Writing Baseline
## Transformed t-test p = 0.0025 < 0.01 **
## Dual Task - Stress Condition
## Transformed t-test p = 0.0971 > 0.05
## Presentation - Resting Baseline
## Transformed t-test p = 0.0048 < 0.01 **
## Presentation - Writing Baseline
## Transformed t-test p = 0.0411 < 0.05 *
## Presentation - Stress Condition
```

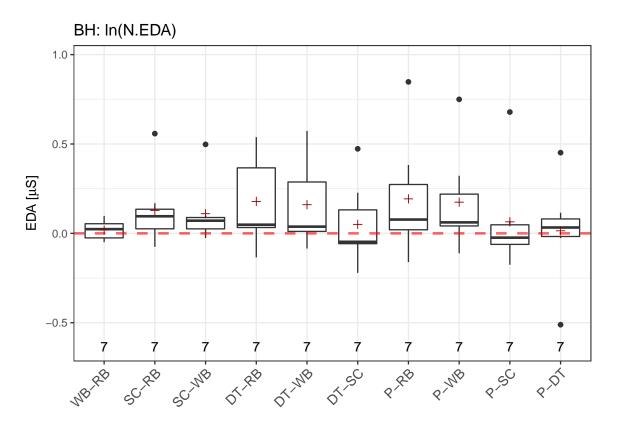
```
## Transformed t-test p = 0.0162 < 0.05 * ## ## Presentation - Dual Task ## Transformed t-test p = 0.0095 < 0.01 **
```



```
## Writing Baseline - Resting Baseline
## t-test p = 1e-04 < 0.001 ***
## Stress Condition - Resting Baseline
## t-test p = 0.0167 < 0.05 *
##
## StressCondition - Writing Baseline
## t-test p = 0.1543 > 0.05
##
## Dual Task - Resting Baseline
## t-test p = 0.0745 > 0.05
## Dual Task - Writing Baseline
## t-test p = 0 < 0.001 ***
## Dual Task - Stress Condition
## t-test p = 0.1009 > 0.05
##
## Presentation - Resting Baseline
## t-test p = 0.847 > 0.05
## Presentation - Writing Baseline
## t-test p = 0.014 < 0.05 *
## Presentation - Stress Condition
```

```
## t-test p = 0.0649 > 0.05
## ## Presentation - Dual Task
## t-test p = 0.1687 > 0.05
```

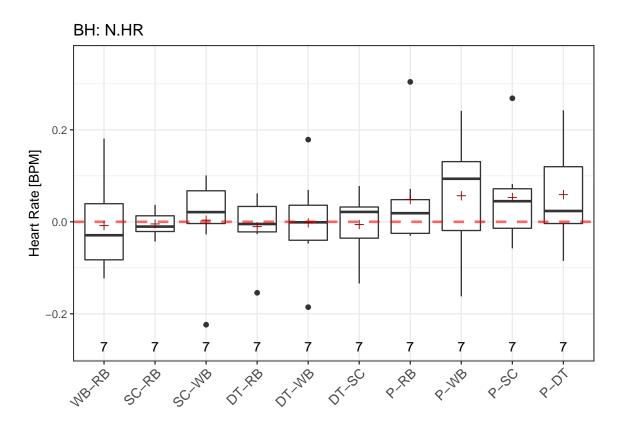
 $\mbox{\tt \#\#}$ BH has LESS than 7 subjects for D.EDA. Cannot continue with test. $\mbox{\tt \#\#}$ -----



```
## Writing Baseline - Resting Baseline
## Transformed t-test p = 0.401 > 0.05
## Stress Condition - Resting Baseline
## Transformed t-test p = 0.1497 > 0.05
##
## StressCondition - Writing Baseline
## Transformed t-test p = 0.1503 > 0.05
##
## Dual Task - Resting Baseline
## Transformed t-test p = 0.1015 > 0.05
## Dual Task - Writing Baseline
## Transformed t-test p = 0.1171 > 0.05
## Dual Task - Stress Condition
## Transformed t-test p = 0.5837 > 0.05
## Presentation - Resting Baseline
## Transformed t-test p = 0.1756 > 0.05
## Presentation - Writing Baseline
## Transformed t-test p = 0.1559 > 0.05
## Presentation - Stress Condition
```

```
## Transformed t-test p = 0.5671 > 0.05 ## ## Presentation - Dual Task ## Transformed t-test p = 0.8984 > 0.05
```

 $\mbox{\tt \#\#}$ BH has LESS than 7 subjects for D.HR. Cannot continue with test. $\mbox{\tt \#\#}$ -----

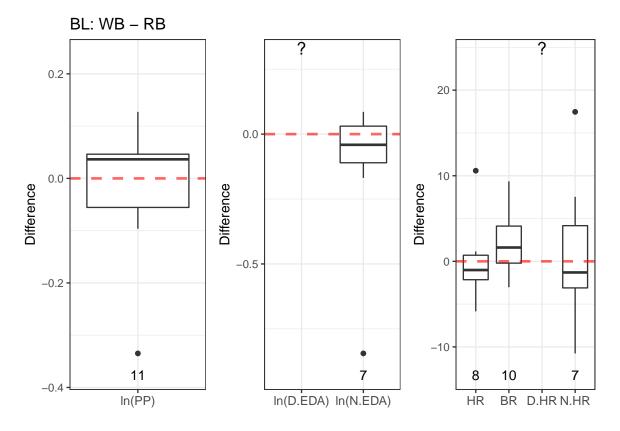


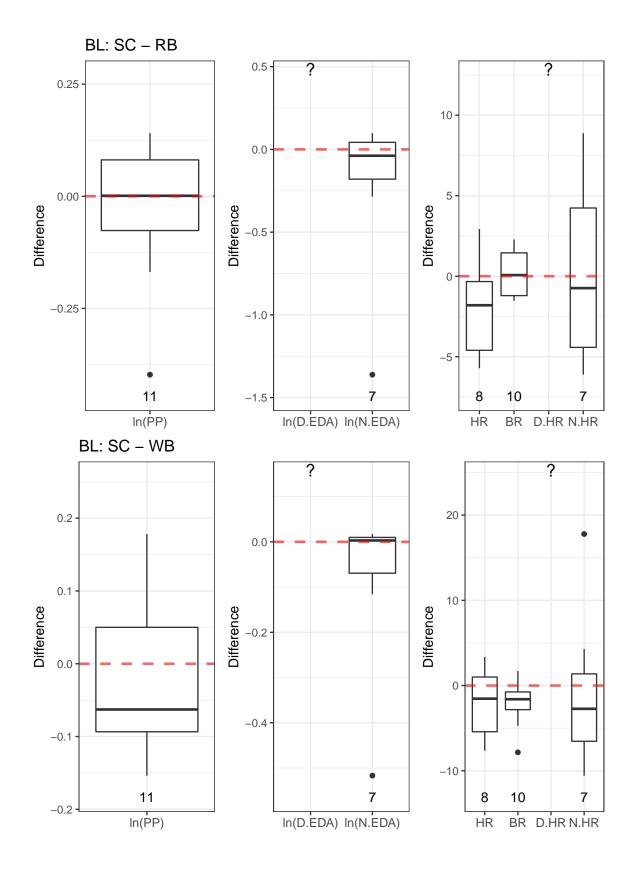
```
## Writing Baseline - Resting Baseline
## Wilcoxon p = 0.8125 > 0.05
## Stress Condition - Resting Baseline
## Wilcoxon p = 0.6875 > 0.05
##
## StressCondition - Writing Baseline
## Wilcoxon p = 0.5781 > 0.05
## Dual Task - Resting Baseline
## Wilcoxon p = 0.9375 > 0.05
## Dual Task - Writing Baseline
## Wilcoxon p = 0.9375 > 0.05
## Dual Task - Stress Condition
## Wilcoxon p = 0.9375 > 0.05
##
## Presentation - Resting Baseline
## Wilcoxon p = 0.6875 > 0.05
## Presentation - Writing Baseline
## Wilcoxon p = 0.4688 > 0.05
## Presentation - Stress Condition
```

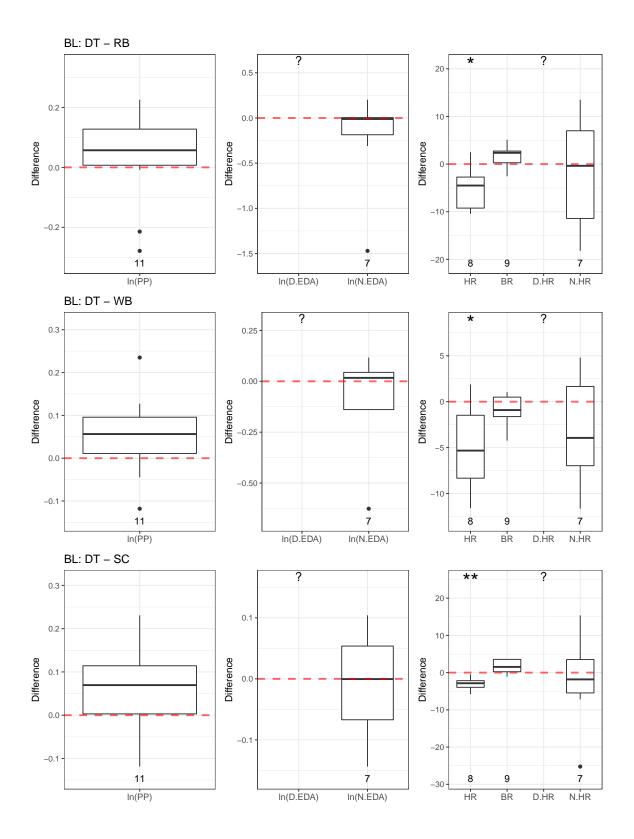
```
## Wilcoxon p = 0.2969 > 0.05
##
## Presentation - Dual Task
## Wilcoxon p = 0.375 > 0.05
```

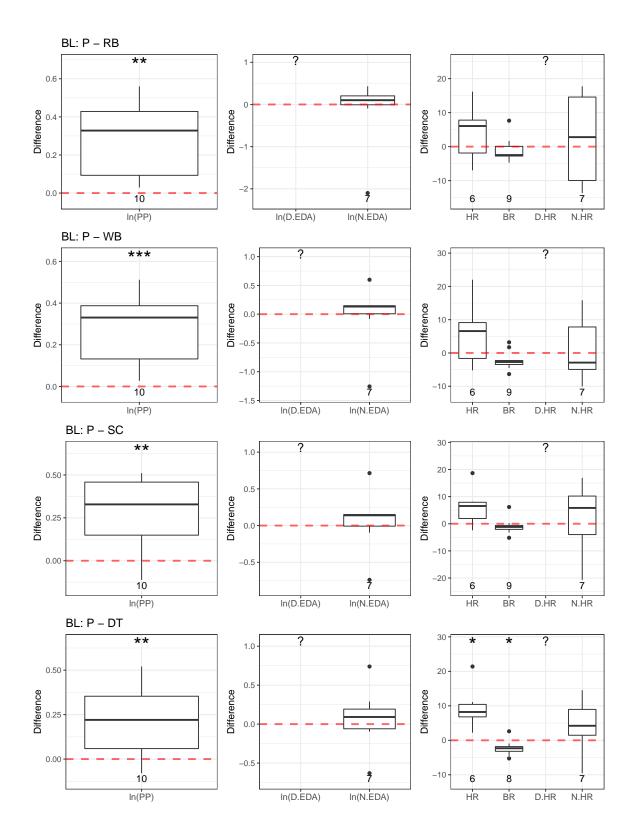
Batch-Low (BL)

Sensor Channels per Session



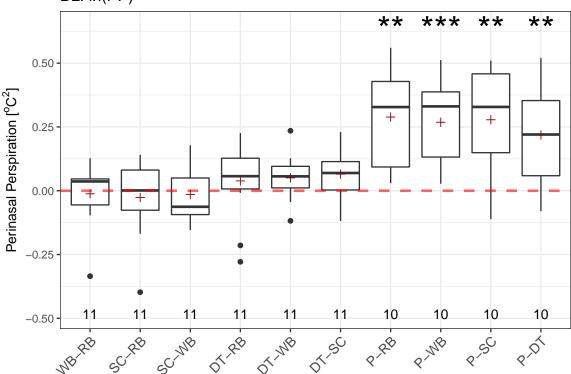






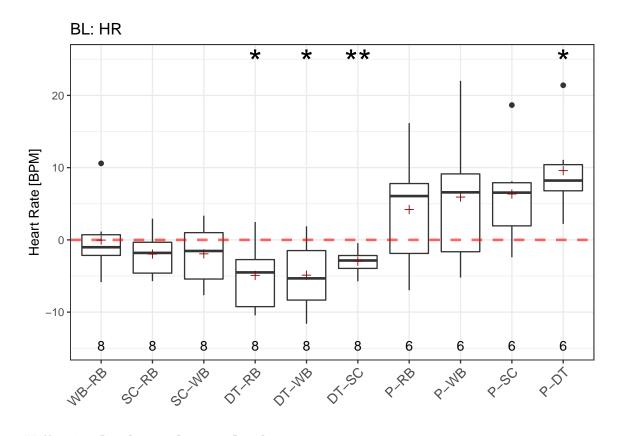
Sensor Channel across Session





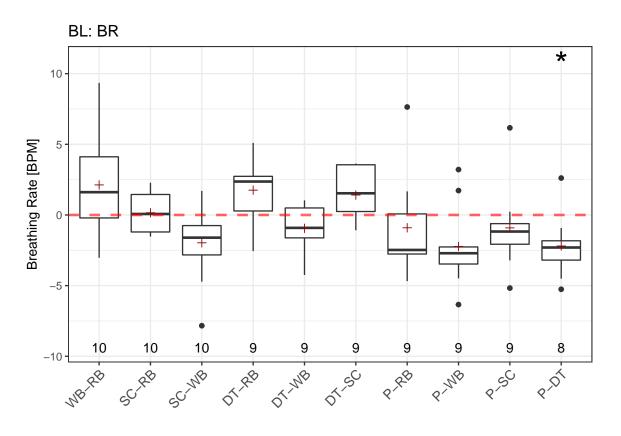
```
## Writing Baseline - Resting Baseline
## Transformed t-test p = 0.7647 > 0.05
## Stress Condition - Resting Baseline
## Transformed t-test p = 0.5789 > 0.05
## StressCondition - Writing Baseline
## Transformed t-test p = 0.6708 > 0.05
## Dual Task - Resting Baseline
## Transformed t-test p = 0.4387 > 0.05
##
## Dual Task - Writing Baseline
## Transformed t-test p = 0.1005 > 0.05
## Dual Task - Stress Condition
## Transformed t-test p = 0.0646 > 0.05
## Presentation - Resting Baseline
## Transformed t-test p = 0.0012 < 0.01 **
##
## Presentation - Writing Baseline
## Transformed t-test p = 8e-04 < 0.001 ***
```

```
##
## Presentation - Stress Condition
## Transformed t-test p = 0.003 < 0.01 **
##
## Presentation - Dual Task
## Transformed t-test p = 0.0066 < 0.01 **</pre>
```



```
## Writing Baseline - Resting Baseline
## t-test p = 0.9869 > 0.05
## Stress Condition - Resting Baseline
## t-test p = 0.1034 > 0.05
##
## StressCondition - Writing Baseline
## t-test p = 0.217 > 0.05
##
## Dual Task - Resting Baseline
## t-test p = 0.02 < 0.05 *
## Dual Task - Writing Baseline
## t-test p = 0.023 < 0.05 *
## Dual Task - Stress Condition
## t-test p = 0.0024 < 0.01 **
##
## Presentation - Resting Baseline
## t-test p = 0.2801 > 0.05
## Presentation - Writing Baseline
## t-test p = 0.2075 > 0.05
## Presentation - Stress Condition
```

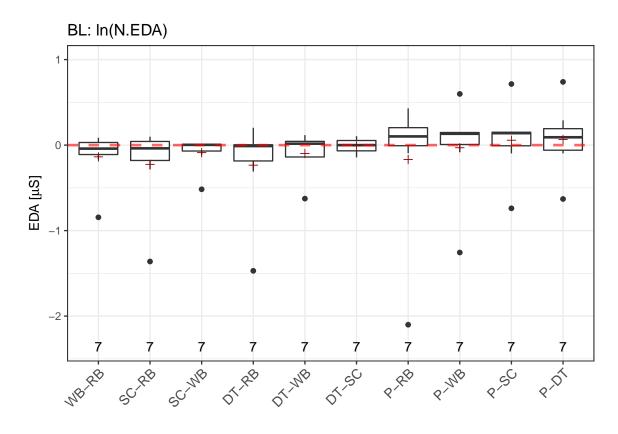
```
## t-test p = 0.0855 > 0.05
##
## Presentation - Dual Task
## t-test p = 0.0152 < 0.05 *</pre>
```



```
## Writing Baseline - Resting Baseline
## t-test p = 0.0916 > 0.05
## Stress Condition - Resting Baseline
## t-test p = 0.7428 > 0.05
##
## StressCondition - Writing Baseline
## t-test p = 0.0548 > 0.05
##
## Dual Task - Resting Baseline
## t-test p = 0.0695 > 0.05
## Dual Task - Writing Baseline
## t-test p = 0.1269 > 0.05
## Dual Task - Stress Condition
## t-test p = 0.0515 > 0.05
##
## Presentation - Resting Baseline
## t-test p = 0.4879 > 0.05
## Presentation - Writing Baseline
## t-test p = 0.0536 > 0.05
## Presentation - Stress Condition
```

```
## t-test p = 0.4023 > 0.05
##
## Presentation - Dual Task
## t-test p = 0.0352 < 0.05 *</pre>
```

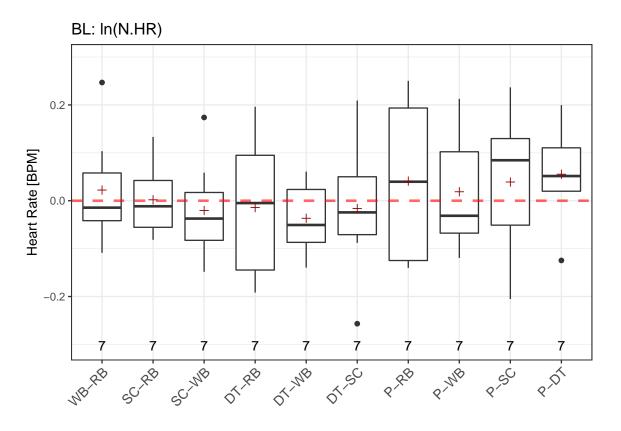
 $\mbox{\tt \#\#}$ BL has LESS than 7 subjects for D.EDA. Cannot continue with test. $\mbox{\tt \#\#}$ -----



```
## Writing Baseline - Resting Baseline
## Transformed t-test p = 0.3052 > 0.05
## Stress Condition - Resting Baseline
## Transformed t-test p = 0.2933 > 0.05
##
## StressCondition - Writing Baseline
## Transformed t-test p = 0.2771 > 0.05
## Dual Task - Resting Baseline
## Transformed t-test p = 0.3145 > 0.05
## Dual Task - Writing Baseline
## Transformed t-test p = 0.3459 > 0.05
## Dual Task - Stress Condition
## Transformed t-test p = 0.7903 > 0.05
## Presentation - Resting Baseline
## Transformed t-test p = 0.6265 > 0.05
## Presentation - Writing Baseline
## Transformed t-test p = 0.8921 > 0.05
## Presentation - Stress Condition
```

```
## Transformed t-test p = 0.7383 > 0.05 ## ## Presentation - Dual Task ## Transformed t-test p = 0.6848 > 0.05
```

 $\mbox{\tt \#\#}$ BL has LESS than 7 subjects for D.HR. Cannot continue with test. $\mbox{\tt \#\#}$ -----



```
## Writing Baseline - Resting Baseline
## Transformed t-test p = 0.6353 > 0.05
## Stress Condition - Resting Baseline
## Transformed t-test p = 0.949 > 0.05
##
## StressCondition - Writing Baseline
## Transformed t-test p = 0.6362 > 0.05
##
## Dual Task - Resting Baseline
## Transformed t-test p = 0.815 > 0.05
## Dual Task - Writing Baseline
## Transformed t-test p = 0.2386 > 0.05
## Dual Task - Stress Condition
## Transformed t-test p = 0.7756 > 0.05
## Presentation - Resting Baseline
## Transformed t-test p = 0.5543 > 0.05
## Presentation - Writing Baseline
## Transformed t-test p = 0.7244 > 0.05
## Presentation - Stress Condition
```

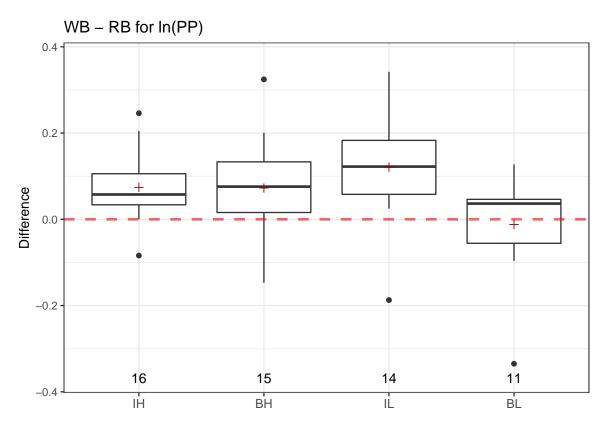
```
## Transformed t-test p = 0.5154 > 0.05
```

##

Presentation - Dual Task

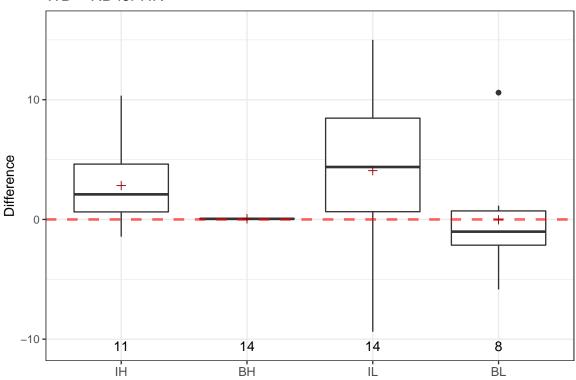
Transformed t-test p = 0.219 > 0.05

Across Sessions

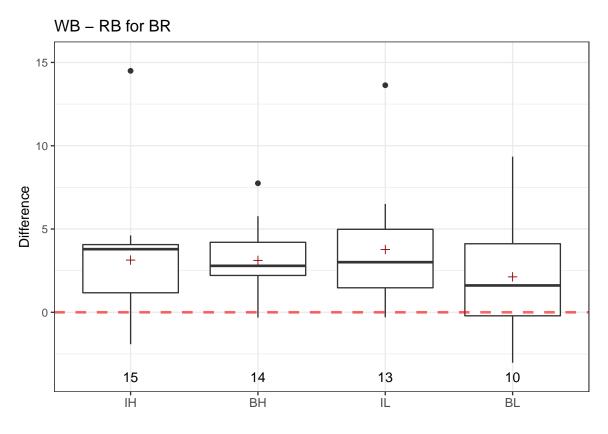


```
## ANOVA:
##
              Df Sum Sq Mean Sq F value Pr(>F)
## Condition
              3 0.1104 0.03681
                                  2.954 0.0409 *
              52 0.6479 0.01246
## Residuals
## Signif. codes: 0 '***' 0.001 '**' 0.05 '.' 0.1 ' ' 1
##
## ---
##
##
      Tukey multiple comparisons of means
       95% family-wise confidence level
##
## Fit: aov(formula = formula(paste(diff, "~ Condition")), data = anova_df)
##
## $Condition
##
                diff
                             lwr
                                        upr
                                                p adj
## BL-BH -0.084540452 -0.20214403 0.03306313 0.2373347
## IH-BH 0.001449339 -0.10502650 0.10792518 0.9999828
## IL-BH 0.048350136 -0.06174426 0.15844453 0.6509590
## IH-BL 0.085989790 -0.03004852 0.20202810 0.2137492
## IL-BL 0.132890588 0.01352325 0.25225792 0.0235335
## IL-IH 0.046900797 -0.06151997 0.15532156 0.6617465
```

WB – RB for HR



```
## ANOVA:
##
              Df Sum Sq Mean Sq F value Pr(>F)
## Condition
              3 153.1
                          51.03
                                  2.755 0.0539 .
               43 796.4
                          18.52
## Residuals
## Signif. codes: 0 '***' 0.001 '**' 0.05 '.' 0.1 ' ' 1
##
## ---
##
      Tukey multiple comparisons of means
##
       95% family-wise confidence level
##
## Fit: aov(formula = formula(paste(diff, "~ Condition")), data = anova_df)
##
## $Condition
##
              diff
                          lwr
                                   upr
                                           p adj
## BL-BH -0.0822899 -5.1794833 5.014903 0.9999707
## IH-BH 2.7736269 -1.8601852 7.407439 0.3896104
## IL-BH 4.0201097 -0.3267914 8.367011 0.0789812
## IH-BL 2.8559168 -2.4880560 8.199890 0.4891277
## IL-BL 4.1023996 -0.9947938 9.199593 0.1536400
## IL-IH 1.2464827 -3.3873294 5.880295 0.8890448
```



```
## ANOVA:
##
              Df Sum Sq Mean Sq F value Pr(>F)
## Condition
              3
                  15.4
                         5.118
                                   0.45 0.719
## Residuals
              48 546.1 11.378
##
## ---
##
      Tukey multiple comparisons of means
##
##
      95% family-wise confidence level
## Fit: aov(formula = formula(paste(diff, "~ Condition")), data = anova_df)
##
## $Condition
               diff
                          lwr
                                   upr
                                           p adj
## BL-BH -0.99024685 -4.707155 2.726661 0.8930296
## IH-BH 0.01798573 -3.318041 3.354013 0.9999989
## IL-BH 0.65437408 -2.803318 4.112067 0.9578191
## IH-BL 1.00823258 -2.656688 4.673153 0.8836923
## IL-BL 1.64462094 -2.131383 5.420625 0.6551310
## IL-IH 0.63638836 -2.765358 4.038134 0.9591648
```

SC – RB for In(PP)

```
## [1] "Removed 12 subjects who had Stroop scores less than 30."
##
##
     ANOVA:
##
##
               Df Sum Sq Mean Sq F value Pr(>F)
                3 0.0788 0.02628
                                   0.967 0.417
## Condition
               41 1.1138 0.02717
## Residuals
##
## ---
##
       Tukey multiple comparisons of means
##
##
       95% family-wise confidence level
##
## Fit: aov(formula = formula(paste(diff, "~ Condition")), data = anova_df)
##
## $Condition
##
                 diff
                              lwr
                                          upr
## BL-BH -0.107158209 -0.29998967 0.08567325 0.4538370
## IH-BH -0.006078721 -0.20344802 0.19129057 0.9997955
## IL-BH -0.053294985 -0.23602344 0.12943348 0.8626341
## IH-BL 0.101079488 -0.09175197 0.29391095 0.5044025
## IL-BL 0.053863225 -0.12395417 0.23168062 0.8488631
## IL-IH -0.047216264 -0.22994472 0.13551220 0.8996072
```

10

вН

14

ΙĹ

11

BL

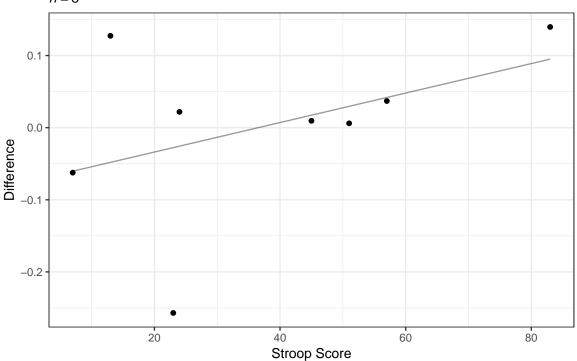
-0.8

10

ΙĤ

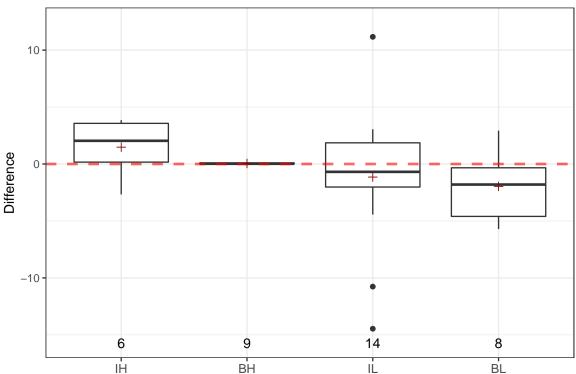
SC - RB vs. Stroop Scores for In(PP): BH

n = 8



```
## LINEAR MODELLING:
##
## Call:
## lm(formula = formula(paste(diff, "~ Score")), data = sc_df)
##
## Residuals:
        Min
##
                   1Q
                         Median
                                       ЗQ
                                                 Max
## -0.229283 -0.011763 -0.003465 0.045326 0.175510
##
## Coefficients:
               Estimate Std. Error t value Pr(>|t|)
## (Intercept) -0.074694 0.080098 -0.933
                                               0.387
               0.002045
                           0.001786
                                    1.145
                                               0.296
##
## Residual standard error: 0.1213 on 6 degrees of freedom
## Multiple R-squared: 0.1793, Adjusted R-squared: 0.04252
## F-statistic: 1.311 on 1 and 6 DF, p-value: 0.2958
```

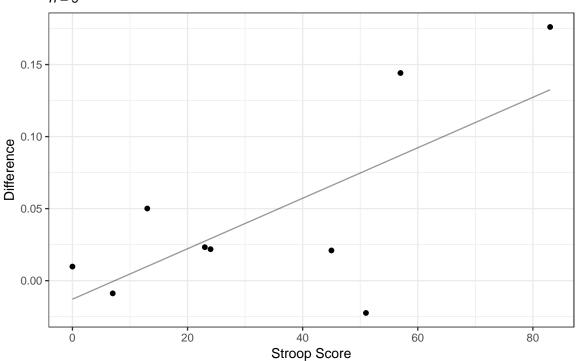
SC - RB for HR



```
## [1] "Removed 12 subjects who had Stroop scores less than 30."
##
## ---
     ANOVA:
##
##
               Df Sum Sq Mean Sq F value Pr(>F)
               3
                   48.8
                           16.27
                                   0.932 0.436
## Condition
               33 576.0
                           17.45
## Residuals
##
## ---
##
##
       Tukey multiple comparisons of means
       95% family-wise confidence level
##
##
## Fit: aov(formula = formula(paste(diff, "~ Condition")), data = anova_df)
##
## $Condition
##
               diff
                          lwr
                                   upr
                                           p adj
## BL-BH -2.0133160 -7.504415 3.477783 0.7550819
## IH-BH 1.4303974 -4.525536 7.386331 0.9149259
## IL-BH -1.1960968 -6.024235 3.632042 0.9076004
## IH-BL 3.4437134 -2.659302 9.546729 0.4338003
## IL-BL 0.8172192 -4.191231 5.825670 0.9708163
## IL-IH -2.6264942 -8.140617 2.887629 0.5765866
```

SC - RB vs. Stroop Scores for HR: BH

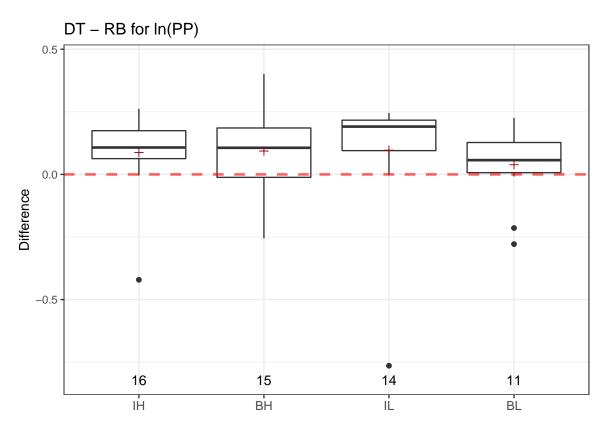
n = 9



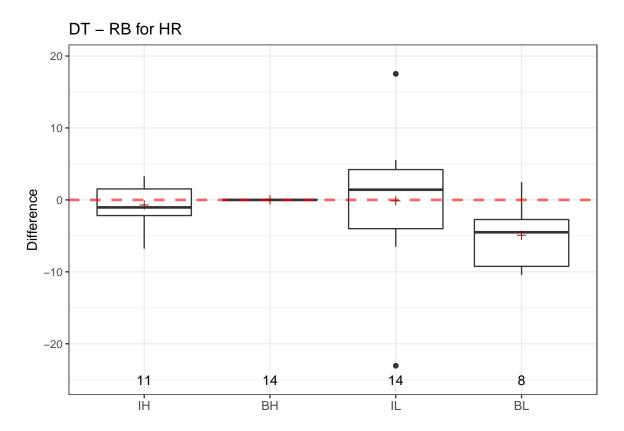
```
## LINEAR MODELLING:
##
## Call:
## lm(formula = formula(paste(diff, "~ Score")), data = sc_df)
##
## Residuals:
##
        Min
                   1Q
                         Median
                                       ЗQ
                                               Max
## -0.098884 -0.008212 -0.004183 0.040184 0.057171
##
## Coefficients:
                Estimate Std. Error t value Pr(>|t|)
## (Intercept) -0.0128769 0.0288863 -0.446
                                             0.6692
               0.0017519 0.0006832
                                    2.564
                                             0.0373 *
## ---
## Signif. codes: 0 '***' 0.001 '**' 0.05 '.' 0.1 ' ' 1
## Residual standard error: 0.05242 on 7 degrees of freedom
## Multiple R-squared: 0.4843, Adjusted R-squared: 0.4107
## F-statistic: 6.575 on 1 and 7 DF, p-value: 0.03732
```

SC - RB for BR

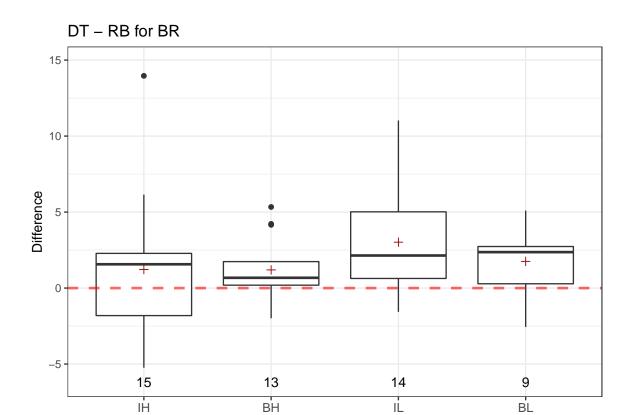
```
## [1] "Removed 12 subjects who had Stroop scores less than 30."
##
## ---
     ANOVA:
##
##
               Df Sum Sq Mean Sq F value Pr(>F)
               3
                   21.4
                         7.149
                                   0.704 0.555
## Condition
               38 385.8 10.153
## Residuals
##
## ---
##
       Tukey multiple comparisons of means
##
       95% family-wise confidence level
##
##
## Fit: aov(formula = formula(paste(diff, "~ Condition")), data = anova_df)
##
## $Condition
##
               diff
                          lwr
                                   upr
## BL-BH -1.9538117 -5.886873 1.979250 0.5472353
## IH-BH -0.2871680 -4.322404 3.748068 0.9974784
## IL-BH -0.8231676 -4.480411 2.834076 0.9299641
## IH-BL 1.6666437 -2.266418 5.599705 0.6684465
## IL-BL 1.1306441 -2.413545 4.674833 0.8267114
## IL-IH -0.5359996 -4.193243 3.121244 0.9789960
```



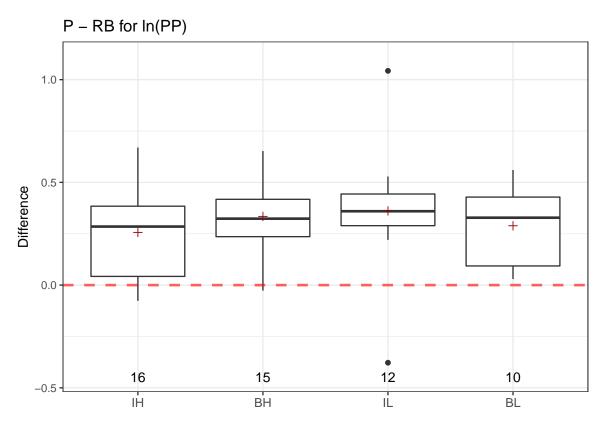
```
## ANOVA:
##
               Df Sum Sq Mean Sq F value Pr(>F)
## Condition
               3 0.0261 0.00871
                                   0.248 0.862
## Residuals
               52 1.8250 0.03510
##
##
##
      Tukey multiple comparisons of means
##
##
       95% family-wise confidence level
## Fit: aov(formula = formula(paste(diff, "~ Condition")), data = anova_df)
##
## $Condition
                 diff
                             lwr
                                       upr
                                               p adj
## BL-BH -0.054747486 -0.2521240 0.1426290 0.8820620
## IH-BH -0.006096063 -0.1847967 0.1726045 0.9997305
## IL-BH 0.003380831 -0.1813929 0.1881545 0.9999583
## IH-BL 0.048651424 -0.1460981 0.2434009 0.9104505
## IL-BL 0.058128317 -0.1422084 0.2584650 0.8675560
## IL-IH 0.009476893 -0.1724879 0.1914417 0.9990450
```



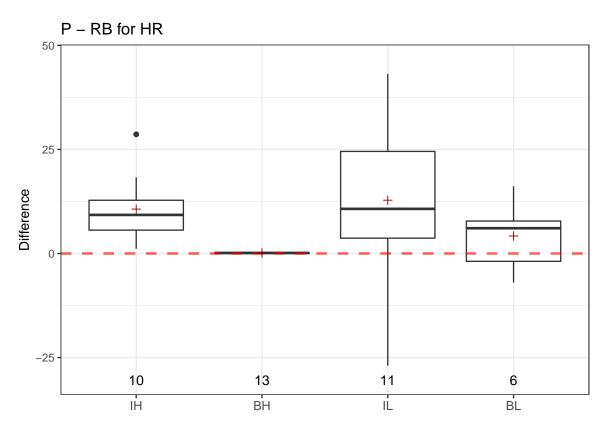
```
## ANOVA:
##
              Df Sum Sq Mean Sq F value Pr(>F)
## Condition
               3 148.2
                           49.4
                                  1.669 0.188
## Residuals
              43 1272.7
                            29.6
##
## ---
##
      Tukey multiple comparisons of means
##
##
       95% family-wise confidence level
## Fit: aov(formula = formula(paste(diff, "~ Condition")), data = anova_df)
##
## $Condition
              diff
                          lwr
                                     upr
                                            p adj
## BL-BH -4.9257293 -11.369363 1.517905 0.1885296
## IH-BH -0.7186071 -6.576456 5.139242 0.9876655
## IL-BH -0.1479398 -5.643089 5.347210 0.9998642
## IH-BL 4.2071221 -2.548479 10.962723 0.3547230
## IL-BL 4.7777895 -1.665844 11.221423 0.2107991
## IL-IH 0.5706674 -5.287182 6.428516 0.9937245
```



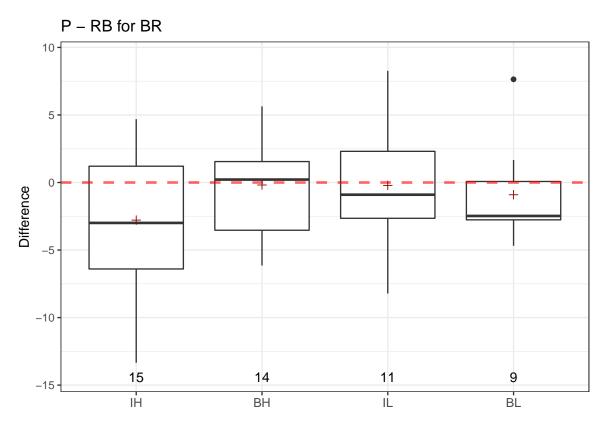
```
## ANOVA:
##
               Df Sum Sq Mean Sq F value Pr(>F)
## Condition
               3
                  30.6
                           10.19
                                 0.785 0.508
## Residuals
               47 610.3
                           12.98
##
## ---
##
      Tukey multiple comparisons of means
##
##
      95% family-wise confidence level
## Fit: aov(formula = formula(paste(diff, "~ Condition")), data = anova_df)
##
## $Condition
               diff
                           lwr
                                    upr
                                            p adj
## BL-BH 0.56288206 -3.598925 4.724689 0.9837998
## IH-BH 0.03130078 -3.605548 3.668149 0.9999956
## IL-BH 1.82566162 -1.871000 5.522323 0.5579624
## IH-BL -0.53158128 -4.578293 3.515130 0.9851142
## IL-BL 1.26277956 -2.837771 5.363330 0.8446226
## IL-IH 1.79436084 -1.772226 5.360948 0.5426749
```



```
## ANOVA:
##
               Df Sum Sq Mean Sq F value Pr(>F)
## Condition
               3 0.0904 0.03013
                                    0.58 0.631
## Residuals
               49 2.5459 0.05196
##
##
##
       Tukey multiple comparisons of means
##
##
       95% family-wise confidence level
## Fit: aov(formula = formula(paste(diff, "~ Condition")), data = anova_df)
##
## $Condition
                diff
                            lwr
                                      upr
                                              p adj
## BL-BH -0.04559871 -0.2930748 0.2018774 0.9609602
## IH-BH -0.07788242 -0.2957458 0.1399809 0.7776900
## IL-BH 0.02671407 -0.2080624 0.2614905 0.9902560
## IH-BL -0.03228371 -0.2766468 0.2120794 0.9849381
## IL-BL 0.07231278 -0.1872424 0.3318679 0.8800552
## IL-IH 0.10459648 -0.1268962 0.3360892 0.6287636
```

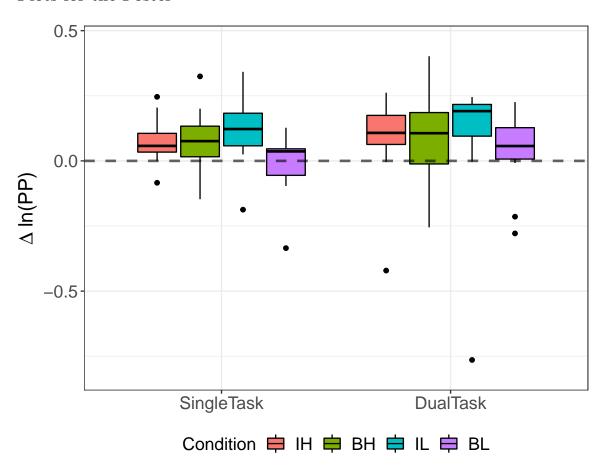


```
## ANOVA:
##
               Df Sum Sq Mean Sq F value Pr(>F)
## Condition
               3
                   1163
                          387.7
                                  2.922 0.0471 *
                   4777
                          132.7
## Residuals
               36
## Signif. codes: 0 '***' 0.001 '**' 0.05 '.' 0.1 ' ' 1
##
## ---
##
      Tukey multiple comparisons of means
##
       95% family-wise confidence level
##
## Fit: aov(formula = formula(paste(diff, "~ Condition")), data = anova_df)
##
## $Condition
##
             diff
                           lwr
                                    upr
                                            p adj
## BL-BH 4.061217 -11.25116681 19.37360 0.8907643
## IH-BH 10.527892 -2.52195840 23.57774 0.1503088
## IL-BH 12.663910 -0.04624692 25.37407 0.0511343
## IH-BL 6.466676 -9.55462121 22.48797 0.6995544
## IL-BL 8.602693 -7.14314547 24.34853 0.4647807
## IL-IH 2.136017 -11.41982783 15.69186 0.9739392
```

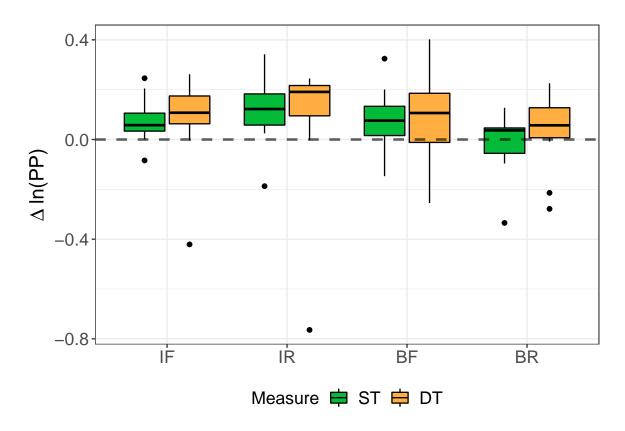


```
## ANOVA:
##
               Df Sum Sq Mean Sq F value Pr(>F)
## Condition
               3
                  63.3
                           21.09
                                   1.082 0.366
## Residuals
               45 876.8
                           19.48
##
## ---
##
      Tukey multiple comparisons of means
##
##
      95% family-wise confidence level
## Fit: aov(formula = formula(paste(diff, "~ Condition")), data = anova_df)
##
## $Condition
                diff
                           lwr
                                    upr
                                            p adj
## BL-BH -0.72180374 -5.752764 4.309156 0.9806847
## IH-BH -2.60029235 -6.976134 1.775549 0.3971253
## IL-BH -0.02966783 -4.774074 4.714738 0.9999983
## IH-BL -1.87848862 -6.843394 3.086417 0.7448135
## IL-BL 0.69213590 -4.600471 5.984743 0.9852291
## IL-IH 2.57062452 -2.103679 7.244928 0.4654356
```

Plots for the Poster



##	#	A tibble:	: 112 x 5			
##	#	Groups:	Condition	n [4]		
##		Subject	${\tt Condition}$	${\tt Measurement}$	Measure	Difference
##		<chr></chr>	<chr></chr>	<chr></chr>	<fct></fct>	<dbl></dbl>
##	1	T097	IL	PP	DT.RB	-0.764
##	2	T126	IH	PP	DT.RB	-0.421
##	3	T173	BL	PP	WB.RB	-0.335
##	4	T173	BL	PP	DT.RB	-0.278
##	5	T136	BH	PP	DT.RB	-0.255
##	6	T108	BL	PP	DT.RB	-0.214
##	7	T097	IL	PP	WB.RB	-0.187
##	8	T136	BH	PP	WB.RB	-0.147
##	9	T108	BL	PP	WB.RB	-0.0963
##	10	T178	BL	PP	WB.RB	-0.0942
##	#	with	102 more	rows		



A tibble: 112 x 5 ## # Groups: Condition [4] Subject Condition Measurement Measure Difference ## <chr> <chr> <chr> <fct> <dbl> 1 T097 IL PP DT.RB -0.764 ## 2 T126 ΙH PP DT.RB -0.421 ## ВL ## 3 T173 PP WB.RB -0.335 -0.278 ## 4 T173 BLPP DT.RB 5 T136 ## BHPP DT.RB -0.255 6 T108 BLPP DT.RB -0.214 ## 7 T097 IL PP WB.RB -0.187 ## 8 T136 BH PP WB.RB -0.147 ## 9 T108 BLPP WB.RB -0.0963 ## 10 T178 BL PP WB.RB -0.0942 ## # ... with 102 more rows

Summary

BH	Condition	Difference	Measure	р	Test	n	Significance
BH	BH	WB - RB	PP	0.0219462	Transformed t-test	15	*
BH	BH	WB - RB	HR	0.0000130	Transformed t-test	14	***
BH	BH	WB - RB	BR	0.0001138	t-test	14	***
BH	BH	WB - RB	N.EDA	0.4010163	Transformed t-test	7	
BH	BH	WB - RB	N.HR	0.8125000	Wilcoxon	7	
BH	BH	SC - RB	PP	0.1778303	Transformed t-test	14	
BH	BH	SC - RB	HR	0.0327106	Transformed t-test	14	*
BH	ВН	SC - RB	BR	0.0167176	t-test	14	*
BH	BH	SC - RB	N.EDA	0.1496509	Transformed t-test	7	
BH SC - WB HR 0.3940901 Transformed t-test 14 BH SC - WB BR 0.1543122 t-test 14 BH SC - WB N.EDA 0.1503231 Transformed t-test 7 BH SC - WB N.HR 0.5781250 Wilcoxon 7 BH DT - RB PP 0.0363198 Transformed t-test 15 BH DT - RB HR 0.2171923 Transformed t-test 14 BH DT - RB BR 0.0744732 t-test 13 BH DT - RB N.EDA 0.1015420 Transformed t-test 7 BH DT - RB N.EDA 0.1015420 Transformed t-test 7 BH DT - RB N.EDA 0.1015420 Transformed t-test 15 BH DT - RB N.EDA 0.1015420 Transformed t-test 15 BH DT - WB N.EDA 0.1170956 Transformed t-test 14 *** BH	ВН	SC - RB	N.HR	0.6875000	Wilcoxon	7	
BH SC - WB BR 0.1543122 t-test 14 BH SC - WB N.EDA 0.1503231 Transformed t-test 7 BH SC - WB N.HR 0.5781250 Wilcoxon 7 BH DT - RB PP 0.0363198 Transformed t-test 15 BH DT - RB HR 0.2171923 Transformed t-test 14 BH DT - RB BR 0.0744732 t-test 13 BH DT - RB N.EDA 0.1015420 Transformed t-test 7 BH DT - RB N.HR 0.9375000 Wilcoxon 7 BH DT - WB PP 0.5259981 Transformed t-test 15 BH DT - WB BR 0.0020095 t-test 13 **** BH DT - WB N.EDA 0.1170956 Transformed t-test 14 *** BH DT - SC PP 0.0629673 Transformed t-test 14 BH DT - SC <	BH	SC - WB	PP	0.0973689	Transformed t-test	14	
BH SC - WB BR 0.1543122 t-test 14 BH SC - WB N.EDA 0.1503231 Transformed t-test 7 BH SC - WB N.HR 0.5781250 Wilcoxon 7 BH DT - RB PP 0.0363198 Transformed t-test 15 BH DT - RB HR 0.2171923 Transformed t-test 14 BH DT - RB BR 0.0744732 t-test 13 BH DT - RB N.EDA 0.1015420 Transformed t-test 7 BH DT - RB N.HR 0.9375000 Wilcoxon 7 BH DT - WB PP 0.5259981 Transformed t-test 15 BH DT - WB BR 0.0020095 t-test 13 **** BH DT - WB N.EDA 0.1170956 Transformed t-test 14 *** BH DT - SC PP 0.0629673 Transformed t-test 14 BH DT - SC <	ВН	SC - WB	HR	0.3940901	Transformed t-test	14	
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BH P - RB N.HR 0.6875000 Wilcoxon 7 BH P - WB PP 0.0000551 Transformed t-test 15 **** BH P - WB HR 0.0411070 Transformed t-test 13 * BH P - WB BR 0.0139962 t-test 14 * BH P - WB N.EDA 0.1558886 Transformed t-test 7 BH P - WB N.HR 0.4687500 Wilcoxon 7 BH P - SC PP 0.0000624 Transformed t-test 14 **** BH P - SC HR 0.0161774 Transformed t-test 13 * BH P - SC BR 0.0649132 t-test 14 BH P - SC N.EDA 0.5670972 Transformed t-test 7	BH	P - RB	BR	0.8470484	t-test	14	
BH P - WB PP 0.0000551 Transformed t-test 15 *** BH P - WB HR 0.0411070 Transformed t-test 13 * BH P - WB BR 0.0139962 t-test 14 * BH P - WB N.EDA 0.1558886 Transformed t-test 7 BH P - WB N.HR 0.4687500 Wilcoxon 7 BH P - SC PP 0.0000624 Transformed t-test 14 **** BH P - SC HR 0.0161774 Transformed t-test 13 * BH P - SC BR 0.0649132 t-test 14 BH P - SC N.EDA 0.5670972 Transformed t-test 7	BH	P - RB	N.EDA	0.1756011	Transformed t-test	7	
BH P - WB HR 0.0411070 Transformed t-test 13 * BH P - WB BR 0.0139962 t-test 14 * BH P - WB N.EDA 0.1558886 Transformed t-test 7 BH P - WB N.HR 0.4687500 Wilcoxon 7 BH P - SC PP 0.0000624 Transformed t-test 14 **** BH P - SC HR 0.0161774 Transformed t-test 13 * BH P - SC BR 0.0649132 t-test 14 BH P - SC N.EDA 0.5670972 Transformed t-test 7	BH	P - RB	N.HR	0.6875000	Wilcoxon	7	
BH P - WB BR 0.0139962 t-test 14 * BH P - WB N.EDA 0.1558886 Transformed t-test 7 BH P - WB N.HR 0.4687500 Wilcoxon 7 BH P - SC PP 0.0000624 Transformed t-test 14 **** BH P - SC HR 0.0161774 Transformed t-test 13 * BH P - SC BR 0.0649132 t-test 14 BH P - SC N.EDA 0.5670972 Transformed t-test 7	BH	P - WB	PP	0.0000551	Transformed t-test	15	***
BH P - WB N.EDA 0.1558886 Transformed t-test 7 BH P - WB N.HR 0.4687500 Wilcoxon 7 BH P - SC PP 0.0000624 Transformed t-test 14 *** BH P - SC HR 0.0161774 Transformed t-test 13 * BH P - SC BR 0.0649132 t-test 14 BH P - SC N.EDA 0.5670972 Transformed t-test 7	BH	P - WB	HR	0.0411070	Transformed t-test	13	*
BH P - WB N.HR 0.4687500 Wilcoxon 7 BH P - SC PP 0.0000624 Transformed t-test 14 **** BH P - SC HR 0.0161774 Transformed t-test 13 * BH P - SC BR 0.0649132 t-test 14 BH P - SC N.EDA 0.5670972 Transformed t-test 7	BH	P - WB	BR	0.0139962	t-test	14	*
BH P - SC PP 0.0000624 Transformed t-test 14 *** BH P - SC HR 0.0161774 Transformed t-test 13 * BH P - SC BR 0.0649132 t-test 14 BH P - SC N.EDA 0.5670972 Transformed t-test 7	BH	P - WB	N.EDA	0.1558886	Transformed t-test	7	
BH P - SC HR 0.0161774 Transformed t-test 13 * BH P - SC BR 0.0649132 t-test 14 BH P - SC N.EDA 0.5670972 Transformed t-test 7	BH	P - WB	N.HR	0.4687500	Wilcoxon	7	
BH P - SC BR 0.0649132 t-test 14 BH P - SC N.EDA 0.5670972 Transformed t-test 7	BH	P - SC	PP	0.0000624	Transformed t-test	14	***
BH P - SC BR 0.0649132 t-test 14 BH P - SC N.EDA 0.5670972 Transformed t-test 7	BH	P - SC	HR	0.0161774	Transformed t-test	13	*
BH P - SC N.EDA 0.5670972 Transformed t-test 7	BH		BR		t-test	14	
BH P - SC N HR 0.2968750 Wilcoxon 7	BH	P - SC	N.EDA			7	
I SO ITITILE G.2000100 WILCONOIL	BH	P - SC	N.HR	0.2968750	Wilcoxon	7	

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Condition	Difference	Measure	p	Test	n	Significance
BH	P - DT	PP	0.0000121	Transformed t-test	15	***
BH	P - DT	HR	0.0094598	Transformed t-test	13	**
BH	P - DT	BR	0.1686709	t-test	13	
BH	P - DT	N.EDA	0.8984151	Transformed t-test	7	
BH	P - DT	N.HR	0.3750000	Wilcoxon	7	
BL	WB - RB	PP	0.7647287	Transformed t-test	11	
BL	WB - RB	HR	0.9869320	t-test	8	
BL	WB - RB	BR	0.0915679	t-test	10	
BL	WB - RB	N.EDA	0.3051551	Transformed t-test	7	
BL	WB - RB	N.HR	0.6352867	Transformed t-test	7	
BL	SC - RB	PP	0.5788975	Transformed t-test	11	
BL	SC - RB	HR	0.1034335	t-test	8	
BL	SC - RB	BR	0.7428199	t-test	10	
BL	SC - RB	N.EDA	0.2933096	Transformed t-test	7	
BL	SC - RB	N.HR	0.9490450	Transformed t-test	7	
BL	SC - WB	PP	0.6707895	Transformed t-test	11	
BL	SC - WB	HR	0.2170117	t-test	8	
BL	SC - WB	BR	0.0548135	t-test	10	
BL	SC - WB	N.EDA	0.2771255	Transformed t-test	7	
BL	SC - WB	N.HR	0.6361583	Transformed t-test	7	
BL	DT - RB	PP	0.4386556	Transformed t-test	11	
BL	DT - RB	HR	0.0200050	t-test	8	*
BL	DT - RB	BR	0.0694710	t-test	9	
BL	DT - RB	N.EDA	0.3144819	Transformed t-test	7	
BL	DT - RB	N.HR	0.8150155	Transformed t-test	7	
BL	DT - WB	PP	0.1005082	Transformed t-test	11	
BL	DT - WB	HR	0.0230059	t-test	8	*
BL	DT - WB	BR	0.1268540	t-test	9	
BL	DT - WB	N.EDA	0.3459481	Transformed t-test	7	
BL	DT - WB	N.HR	0.2385658	Transformed t-test	7	
BL	DT - SC	PP	0.0645733	Transformed t-test	11	
BL	DT - SC	HR	0.0023709	t-test	8	**
BL	DT - SC	BR	0.0515357	t-test	9	
BL	DT - SC	N.EDA	0.7902806	Transformed t-test	7	
BL	DT - SC	N.HR	0.7756201		7	
BL	P - RB	PP	0.0011607	Transformed t-test	10	**
BL	P - RB	HR	0.2800986	t-test	6	
BL	P - RB	BR	0.4878811	t-test	9	
BL	P - RB	N.EDA	0.6265201	Transformed t-test	7	
BL	P - RB	N.HR	0.5543464	Transformed t-test	7	
BL	P - WB	PP	0.0007679	Transformed t-test	10	***
BL	P - WB	HR	0.2075354	t-test	6	
BL	P - WB	BR	0.0535812	t-test	9	
BL	P - WB	N.EDA	0.8920899	Transformed t-test	7	
BL	P - WB	N.HR	0.7244497	Transformed t-test	7	
BL	P - SC	PP	0.0029690	Transformed t-test	10	**
BL	P - SC	HR	0.0855441	t-test	6	
			3.0000111	. ,	Ŭ	

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Condition	Difference	Measure	p	Test	n	Significance
BL	P - SC	BR	0.4022510	t-test	9	
BL	P - SC	N.EDA	0.7382911	Transformed t-test	7	
BL	P - SC	N.HR	0.5154267	Transformed t-test	7	
BL	P - DT	PP	0.0065598	Transformed t-test	10	**
BL	P - DT	HR	0.0152101	t-test	6	*
BL	P - DT	BR	0.0351610	t-test	8	*
BL	P - DT	N.EDA	0.6847513	Transformed t-test	7	
BL	P - DT	N.HR	0.2190368	Transformed t-test	7	
IH	WB - RB	PP	0.0024663	Transformed t-test	16	**
IH	WB - RB	HR	0.0188344	t-test	11	*
IH	WB - RB	BR	0.0074935	t-test	15	**
IH	WB - RB	N.EDA	0.3403120	Transformed t-test	8	
IH	WB - RB	N.HR	0.7303749	Transformed t-test	8	
IH	SC - RB	PP	0.1711167	Transformed t-test	16	
IH	SC - RB	HR	0.3552732	t-test	10	
IH	SC - RB	BR	0.1188954	t-test	15	
IH	SC - RB	N.EDA	0.2429520	Transformed t-test	8	
IH	SC - RB	N.HR	0.3455392	Transformed t-test	8	
IH	SC - WB	PP	0.0993611	Transformed t-test	16	
IH	SC - WB	HR	0.0243429	t-test	10	*
IH	SC - WB	BR	0.0317792	t-test	15	*
IH	SC - WB	N.EDA	0.4308000	Transformed t-test	8	
IH	SC - WB	N.HR	0.5336331	Transformed t-test	8	
IH	DT - RB	PP	0.0394605	Transformed t-test	16	*
IH	DT - RB	HR	0.4334571	t-test	11	
IH	DT - RB	BR	0.3322883	t-test	15	
IH	DT - RB	N.EDA	0.2213848	Transformed t-test	8	
IH	DT - RB	N.HR	0.2236593	Transformed t-test	8	
IH	DT - WB	PP	0.6591341	Transformed t-test	16	
IH	DT - WB	HR	0.0035532	t-test	11	**
IH	DT - WB	BR	0.0022952	t-test	15	**
IH	DT - WB	N.EDA	0.0592213	Transformed t-test	8	
IH	DT - WB	N.HR	0.4089959	Transformed t-test	8	
IH	DT - SC	PP	0.2054630	Transformed t-test	16	
IH	DT - SC	HR	0.1613719	t-test	10	
IH	DT - SC	BR	0.5106319	t-test	15	
IH	DT - SC	N.EDA	0.2521891	Transformed t-test	8	
IH	DT - SC	N.HR	0.4920073	Transformed t-test	8	
IH	P - RB	PP	0.0002384	Transformed t-test	16	***
IH	P - RB	HR	0.0023820	t-test	10	**
IH	P - RB	BR	0.0545015	t-test	15	
IH	P - RB	N.EDA	0.2098217	Transformed t-test	8	
IH	P - RB	N.HR	0.1963474	Transformed t-test	8	
IH	P - WB	PP	0.0029834	Transformed t-test	16	**
IH	P - WB	HR	0.0023654	t-test	10	*
IH	P - WB	BR	0.0000713	t-test	15	***
IH	P - WB	N.EDA	0.7494501	Transformed t-test	8	
	T - 44 D	11.11111	0.1494901	Transformed 6-6686	U	

$\frac{(continued)}{\widetilde{\Box}}$	D.00		I			
Condition	Difference	Measure	p	Test	n	Significance
IH	P - WB	N.HR	0.5532956	Transformed t-test	8	
IH	P - SC	PP	0.0019724	Transformed t-test	16	**
IH	P - SC	HR	0.0063270	t-test	10	**
IH	P - SC	BR	0.0003555	t-test	15	***
IH	P - SC	N.EDA	0.5000502	Transformed t-test	8	
IH	P - SC	N.HR	0.1035174	Transformed t-test	8	
IH	P - DT	PP	0.0023657	Transformed t-test	16	**
IH	P - DT	HR	0.0014945	t-test	10	**
IH	P - DT	BR	0.0005129	t-test	15	***
IH	P - DT	N.EDA	0.4611354	Transformed t-test	8	
IH	P - DT	N.HR	0.0084480	Transformed t-test	8	**
IL	WB - RB	PP	0.0038265	Transformed t-test	14	**
IL	WB - RB	HR	0.0318164	t-test	14	*
IL	WB - RB	BR	0.0029280	t-test	13	**
IL	WB - RB	N.EDA	0.3070520	Transformed t-test	8	
IL	WB - RB	N.HR	0.8203125	Wilcoxon	9	
IL	SC - RB	PP	0.6776737	Transformed t-test	14	
IL	SC - RB	HR	0.4931241	t-test	14	
IL	SC - RB	BR	0.1716031	t-test	14	
IL	SC - RB	N.EDA	0.9091386	Transformed t-test	8	
IL	SC - RB	N.HR	0.8203125	Wilcoxon	9	
IL	SC - WB	PP	0.0838939	Transformed t-test	14	
IL	SC - WB	HR	0.0000160	t-test	14	***
IL	SC - WB	BR	0.0056543	t-test	13	**
IL	SC - WB	N.EDA	0.2689461	Transformed t-test	8	
IL	SC - WB	N.HR	0.4257812	Wilcoxon	9	
IL	DT - RB	PP	0.1857230	Transformed t-test	14	
IL	DT - RB	HR	0.9564261	t-test	14	
IL	DT - RB	BR	0.0109817	t-test	14	*
IL	DT - RB	N.EDA	0.6976424	Transformed t-test	8	
IL	DT - RB	N.HR	0.7343750	Wilcoxon	9	
IL	DT - WB	PP	0.6271269	Transformed t-test	14	
IL	DT - WB	HR	0.0153782	t-test	14	*
IL	DT - WB	BR	0.0141019	t-test	13	*
IL	DT - WB	N.EDA	0.3364517	Transformed t-test	8	
IL	DT - WB	N.HR	0.2031250	Wilcoxon	9	
IL	DT - SC	PP	0.0548789	Transformed t-test	14	
IL	DT - SC	HR	0.4432256	t-test	14	
IL	DT - SC	BR	0.0396767	t-test	14	*
IL	DT - SC	N.EDA	0.6807010	Transformed t-test	8	
IL	DT - SC	N.HR	0.9101562	Wilcoxon	9	
IL	P - RB	PP	0.0022816	Transformed t-test	12	**
IL	P - RB	HR	0.0552440	t-test	11	
IL	P - RB	BR	0.8861670	t-test	11	
IL	P - RB	N.EDA	0.2730305	Transformed t-test	7	
IL	P - RB	N.HR	0.4609375	Wilcoxon	8	
IL	P - WB	PP	0.0135299	Transformed t-test	12	*
	1 ,,,,	1.1	0.0100200	Transferring 6 6050		

Condition	Difference	Measure	р	Test	n	Significance
IL	P - WB	HR	0.1202428	t-test	11	
IL	P - WB	BR	0.0004079	t-test	10	***
IL	P - WB	N.EDA	0.1190078	Transformed t-test	7	
IL	P - WB	N.HR	0.3125000	Wilcoxon	8	
IL	P - SC	PP	0.0004258	Transformed t-test	12	***
IL	P - SC	HR	0.0209275	t-test	11	*
IL	P - SC	BR	0.3485936	t-test	11	
IL	P - SC	N.EDA	0.3206676	Transformed t-test	7	
IL	P - SC	N.HR	0.7421875	Wilcoxon	8	
IL	P - DT	PP	0.0005524	Transformed t-test	12	***
IL	P - DT	HR	0.0093801	t-test	11	**
IL	P - DT	BR	0.0001746	t-test	11	***
IL	P - DT	N.EDA	0.0707182	Transformed t-test	8	
IL	P - DT	N.HR	0.7421875	Wilcoxon	8	