

# Hypothesis Testing for NSF Office Stress Project - Full Sensor Set

Below are the test results for each of the Conditions that had  $n \geq 7$  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:

**\*** =  $0.01 < p \leq 0.05$

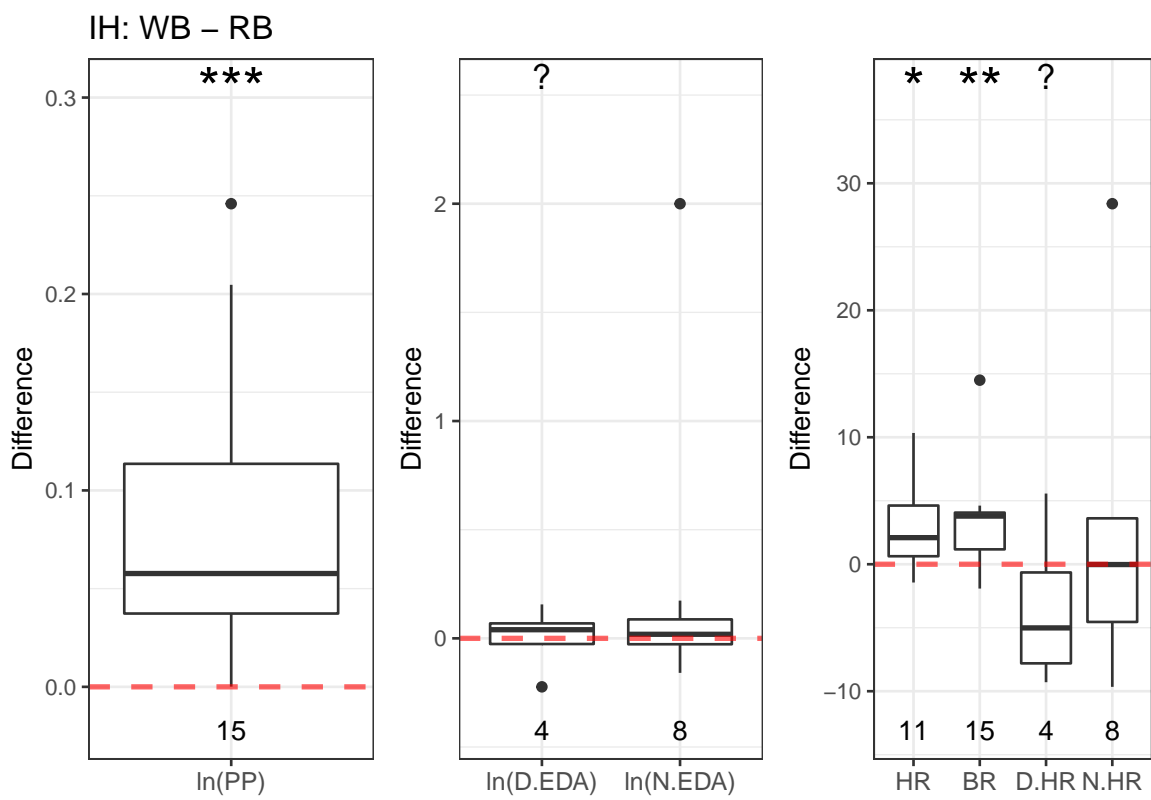
**\*\*** =  $0.001 < p \leq 0.01$

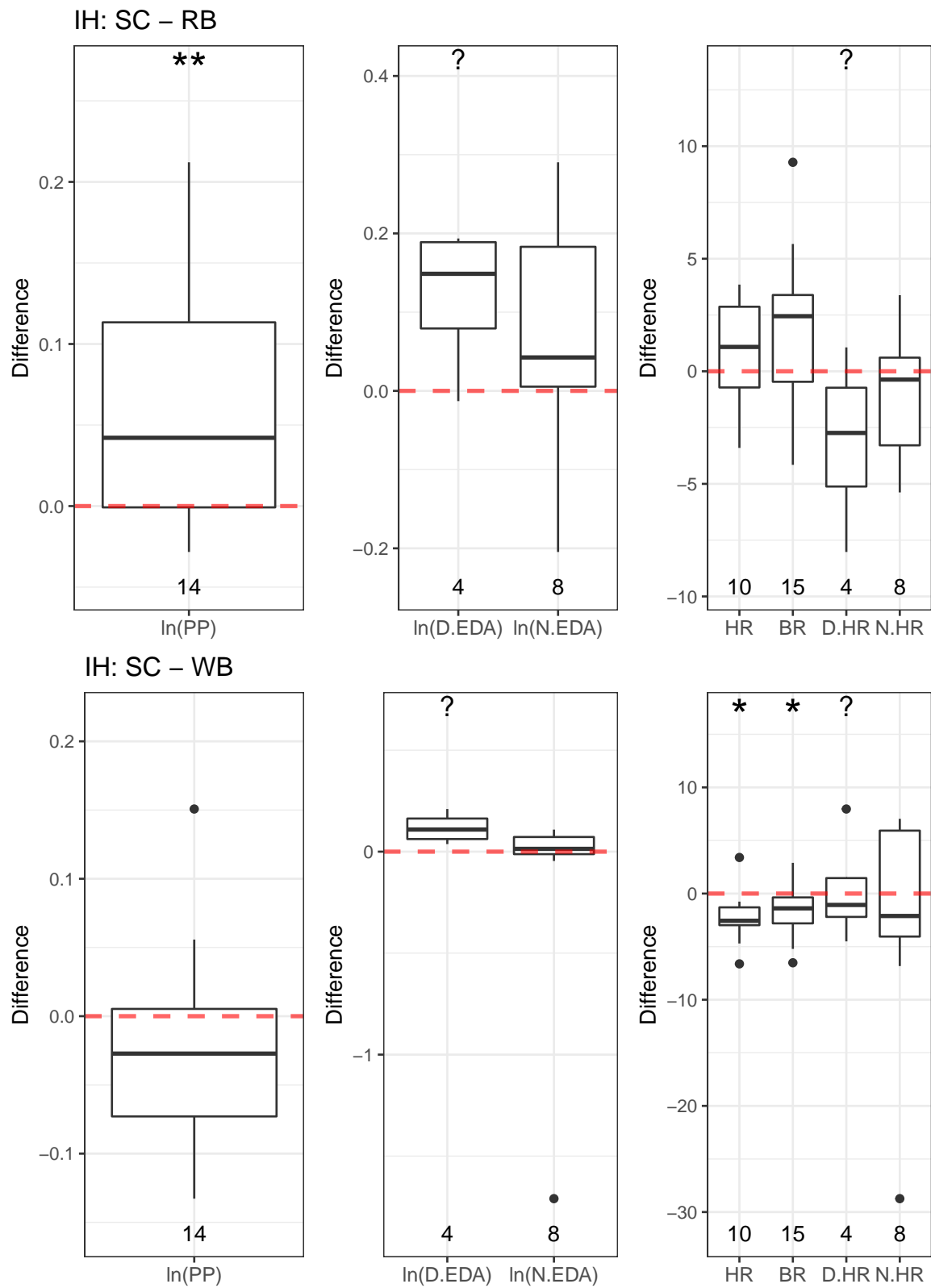
**\*\*\*** =  $p \leq 0.001$

**?** = Did not run statistical test ( $n < 7$ )

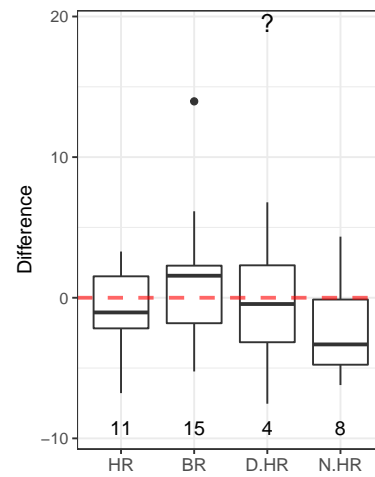
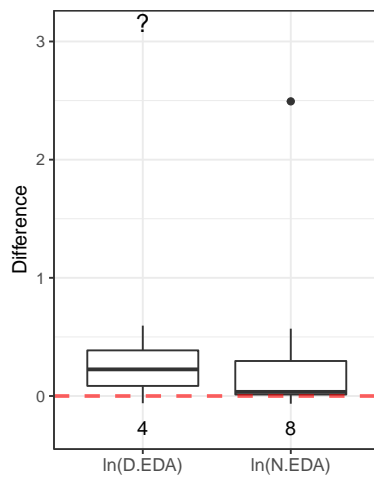
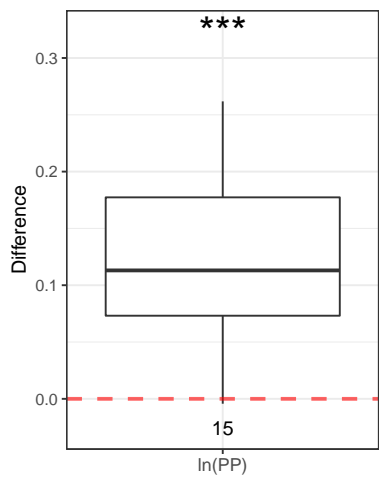
**Intermittent-High (IH)**

## Sensor Channels per Session

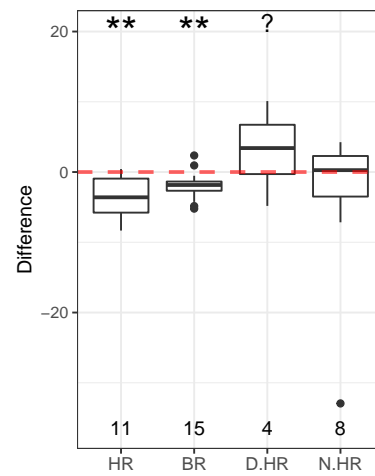
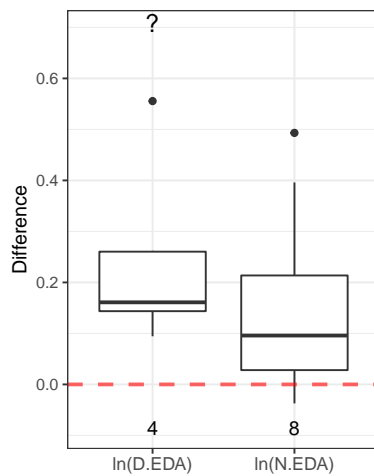
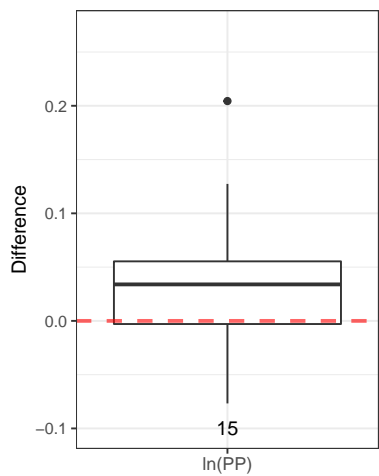




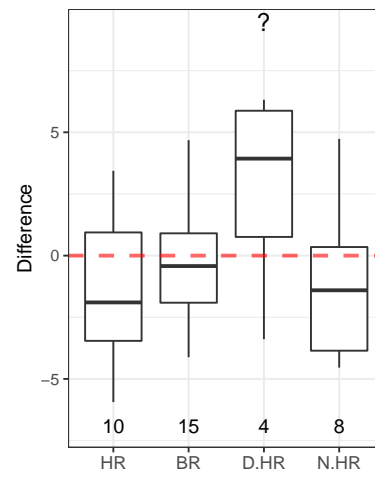
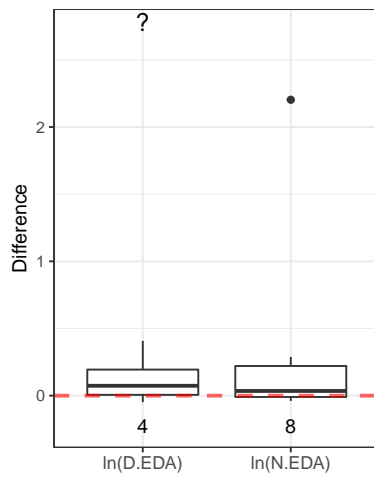
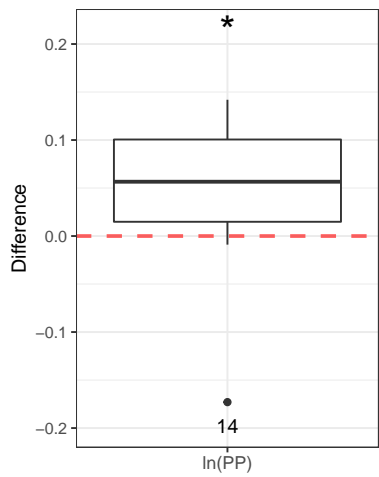
IH: DT – RB

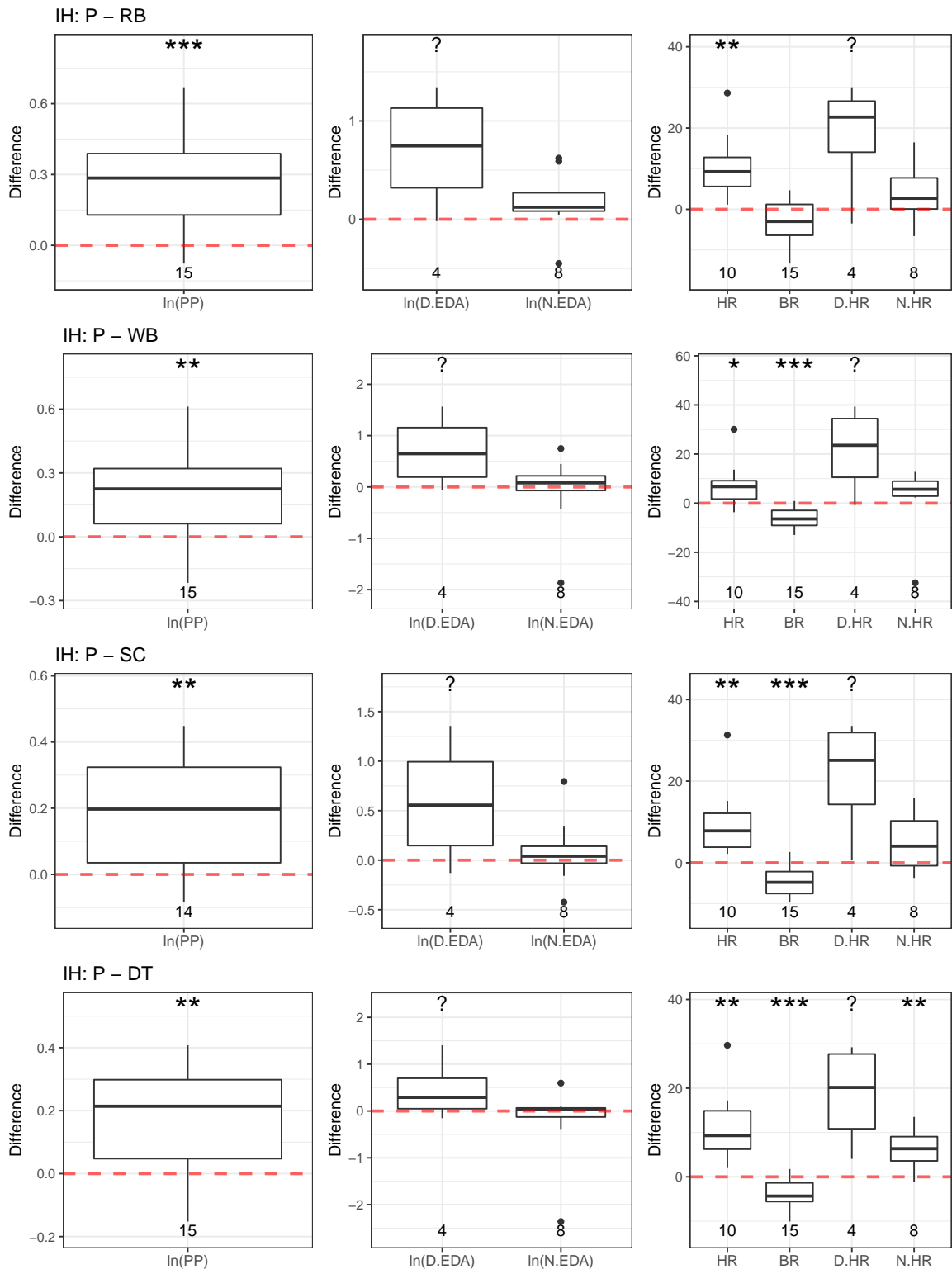


IH: DT – WB

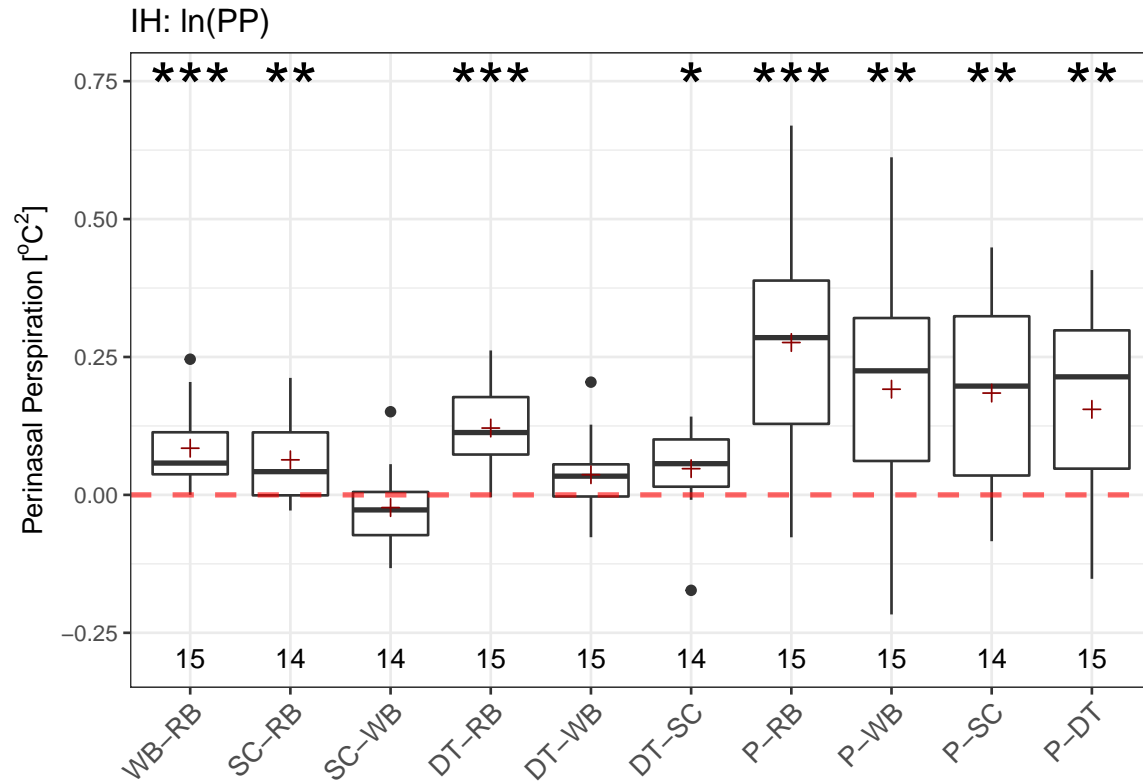


IH: DT – SC





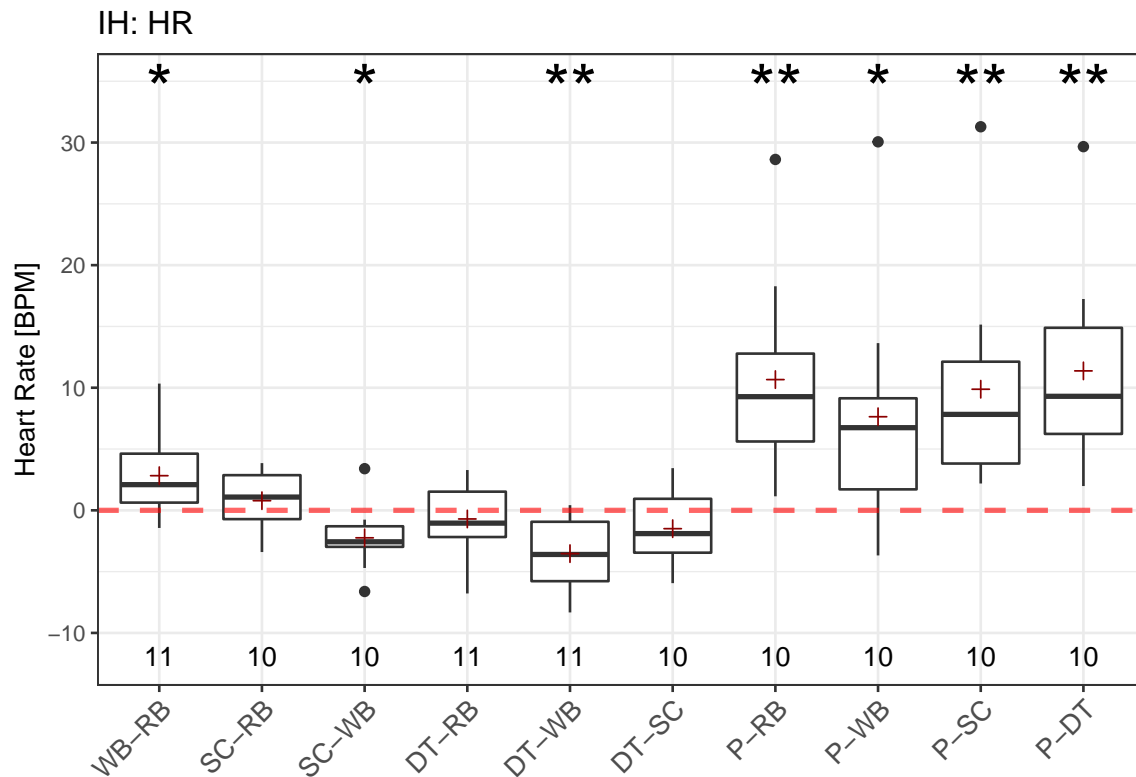
## Sensor Channel across Session



```
## In the following tests, we applied ln(PP).
##
## Writing Baseline - Resting Baseline
## Transformed t-test p = 5e-04 < 0.001 ***
##
## Stress Condition - Resting Baseline
## Transformed t-test p = 0.0096 < 0.01 **
##
## StressCondition - Writing Baseline
## Transformed t-test p = 0.2539 > 0.05
##
## Dual Task - Resting Baseline
## Transformed t-test p = 0 < 0.001 ***
##
## Dual Task - Writing Baseline
## Transformed t-test p = 0.0742 > 0.05
##
## Dual Task - Stress Condition
## Transformed t-test p = 0.0422 < 0.05 *
##
## Presentation - Resting Baseline
## Transformed t-test p = 1e-04 < 0.001 ***
##
```

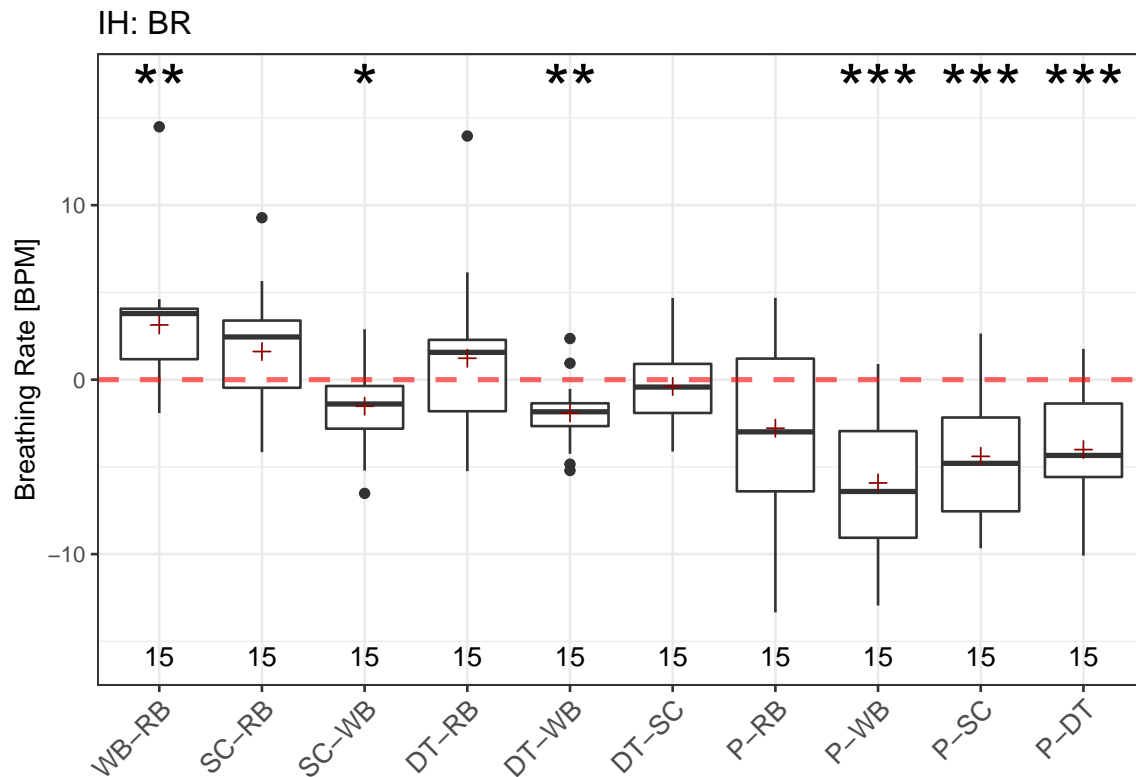
```
## Presentation - Writing Baseline
## Transformed t-test  $p = 0.0033 < 0.01$  **
##
## Presentation - Stress Condition
## Transformed t-test  $p = 0.0018 < 0.01$  **
##
## Presentation - Dual Task
## Transformed t-test  $p = 0.0054 < 0.01$  **
```





```
## 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
```

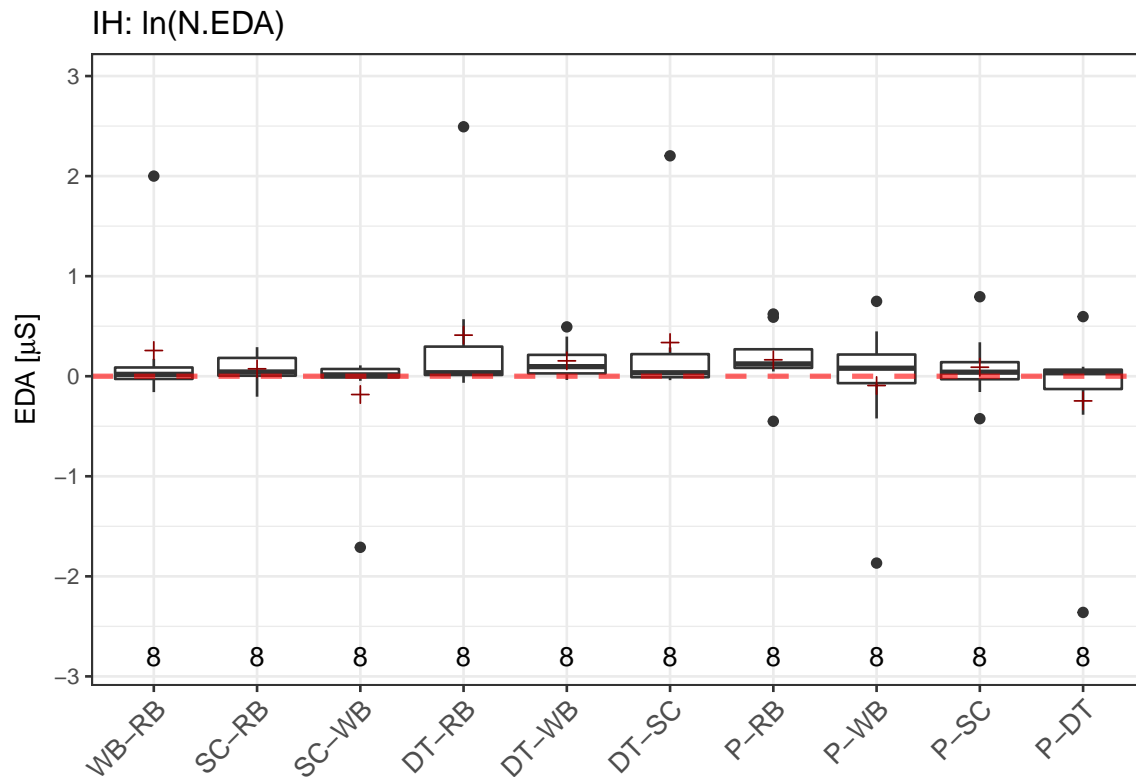
```
## t-test p = 0.0063 < 0.01 **  
##  
## Presentation - Dual Task  
## t-test p = 0.0015 < 0.01 **
```



```
## 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 ***
```

```
## 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  $p = 0.2098 > 0.05$

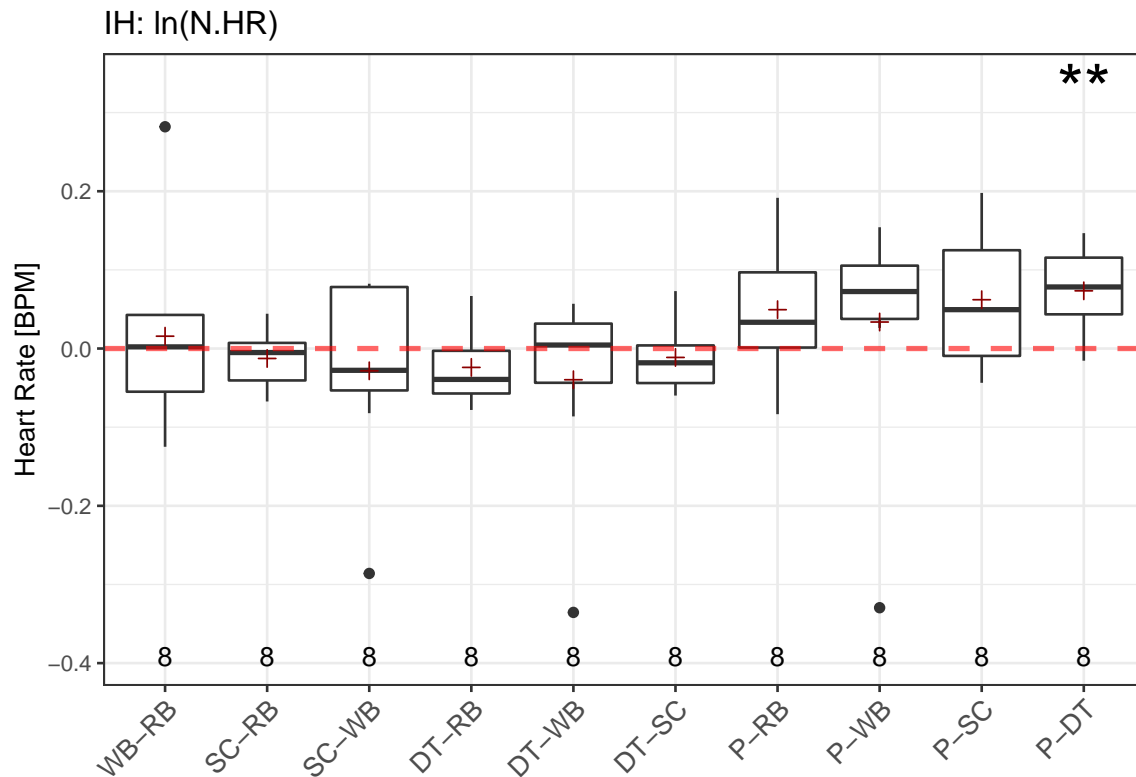
##

## 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
```

```
## IH has LESS than 7 subjects for D.HR. Cannot continue with test.  
## -----
```



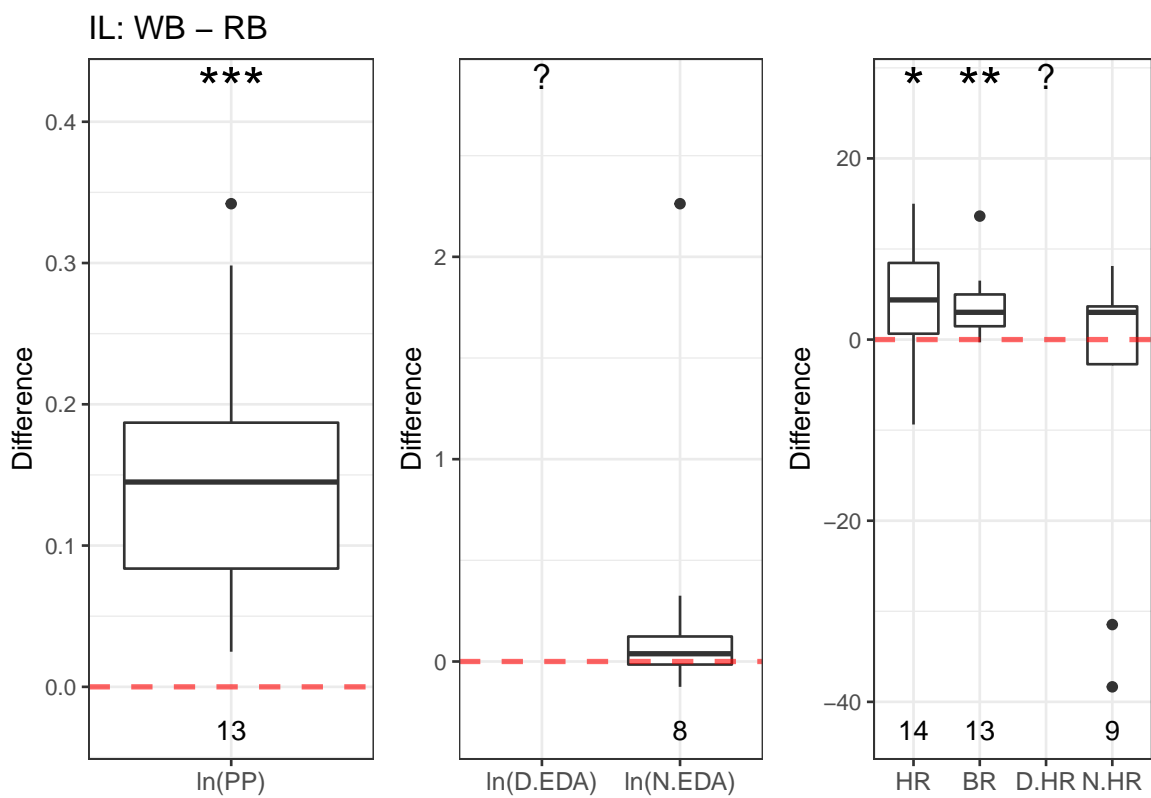
```
## Writing Baseline - Resting Baseline
## Transformed t-test p = 0.7304 > 0.05
##
## Stress Condition - Resting Baseline
## Transformed t-test p = 0.3455 > 0.05
##
## StressCondition - Writing Baseline
## Transformed t-test p = 0.5336 > 0.05
##
## Dual Task - Resting Baseline
## Transformed t-test 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
```

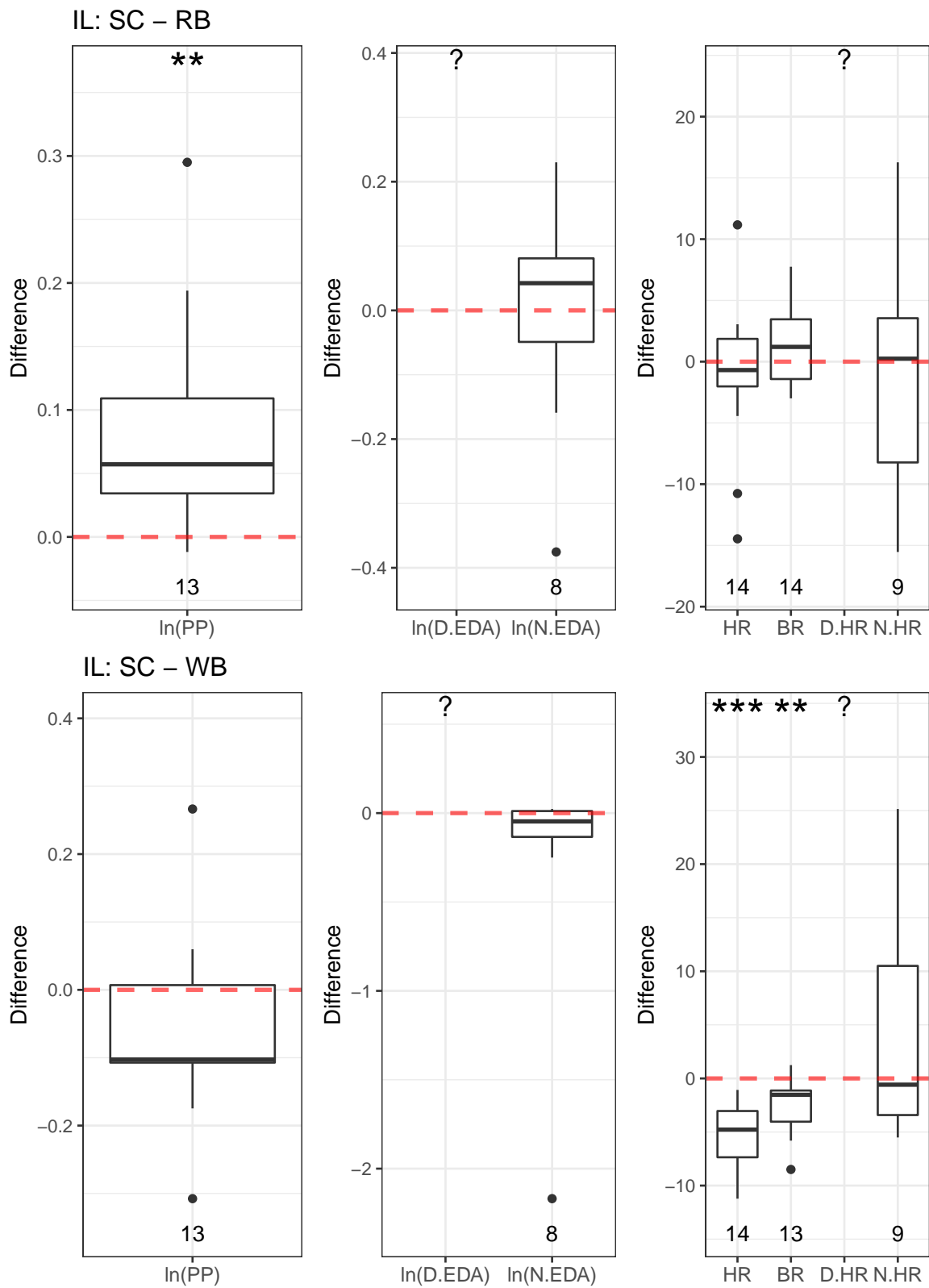
```
## Transformed t-test p = 0.1035 > 0.05
##
## Presentation - Dual Task
## Transformed t-test p = 0.0084 < 0.01  **
```

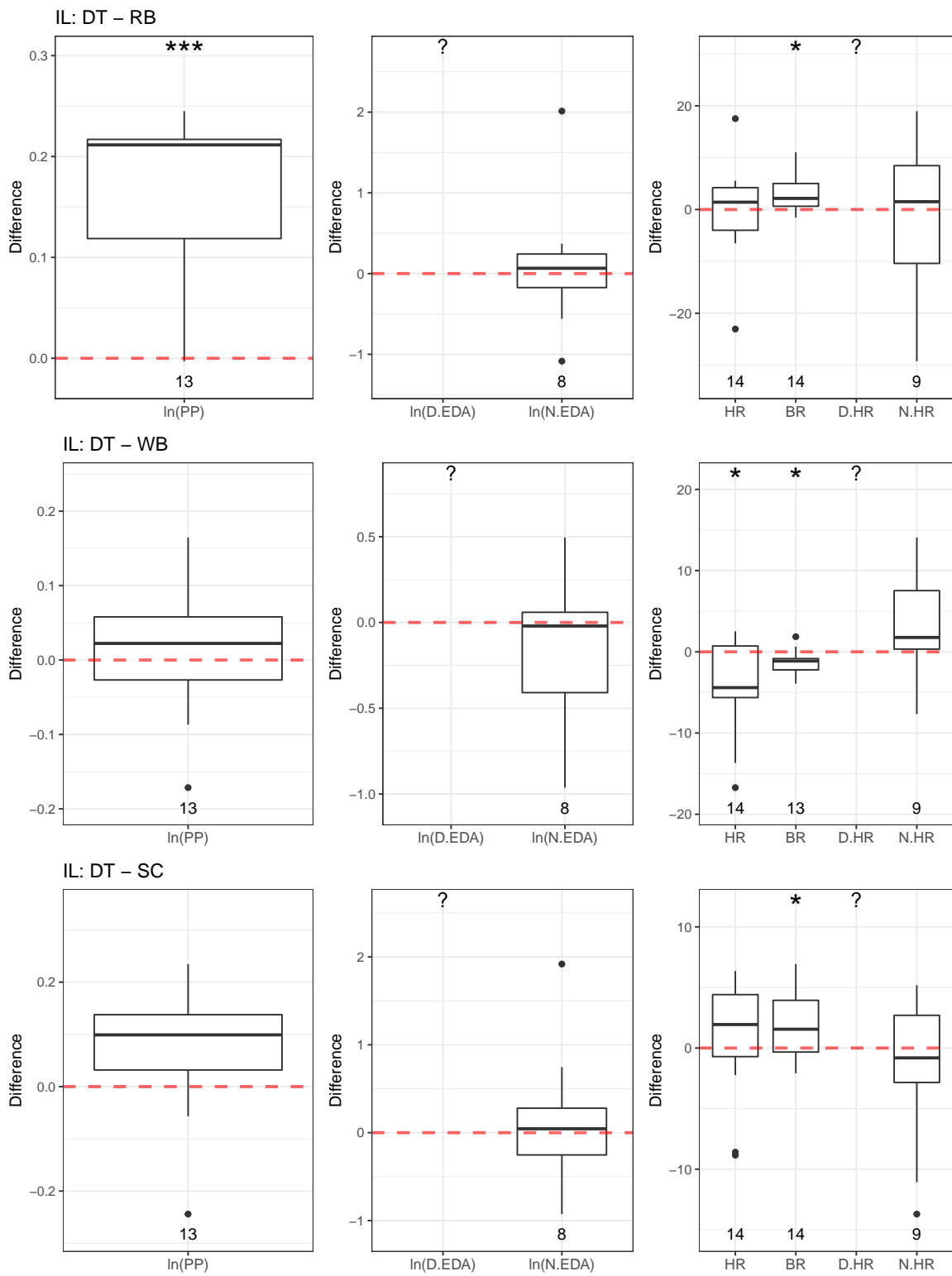


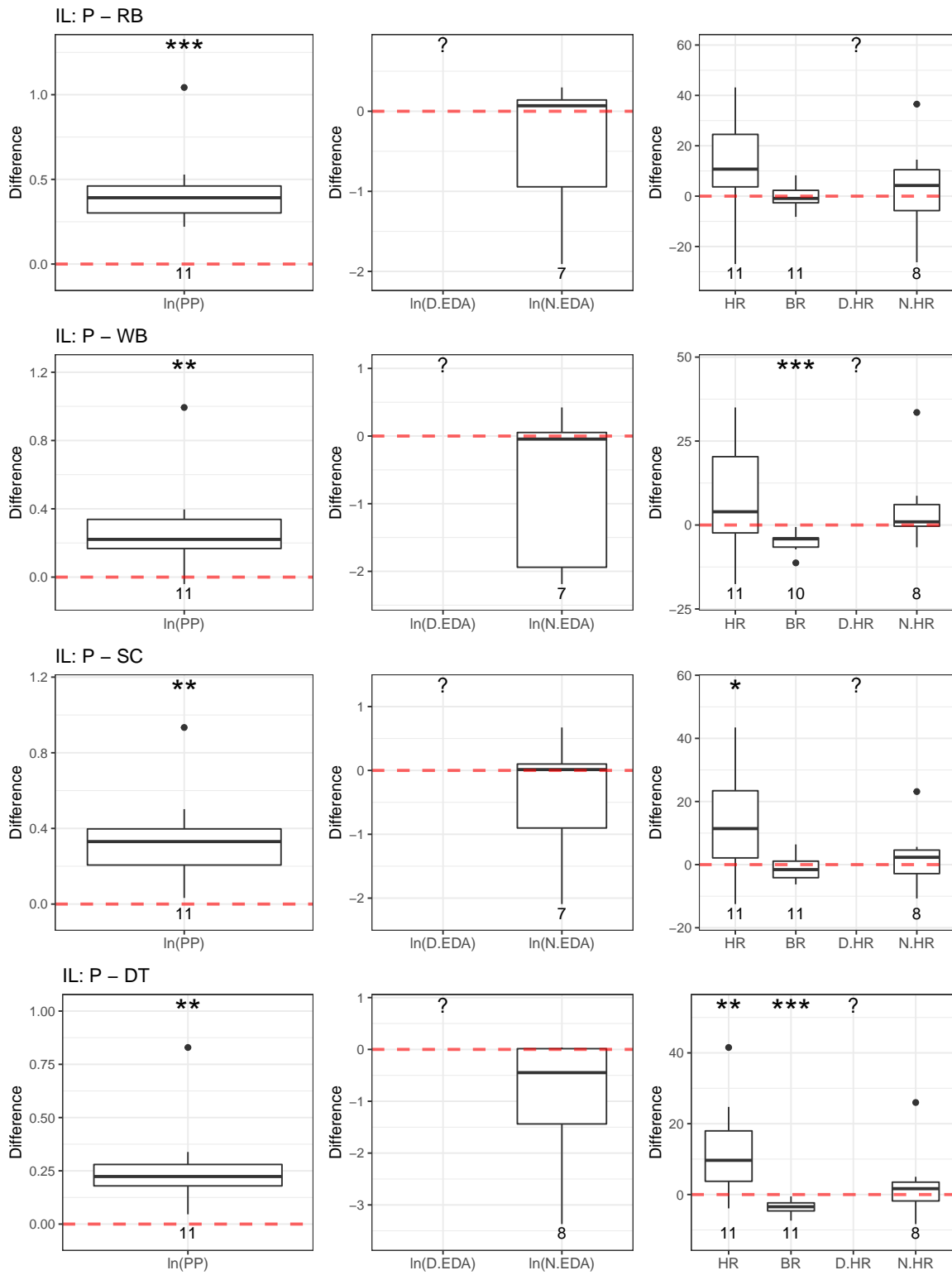
**Intermittent-Low (IL)**

## Sensor Channels per Session

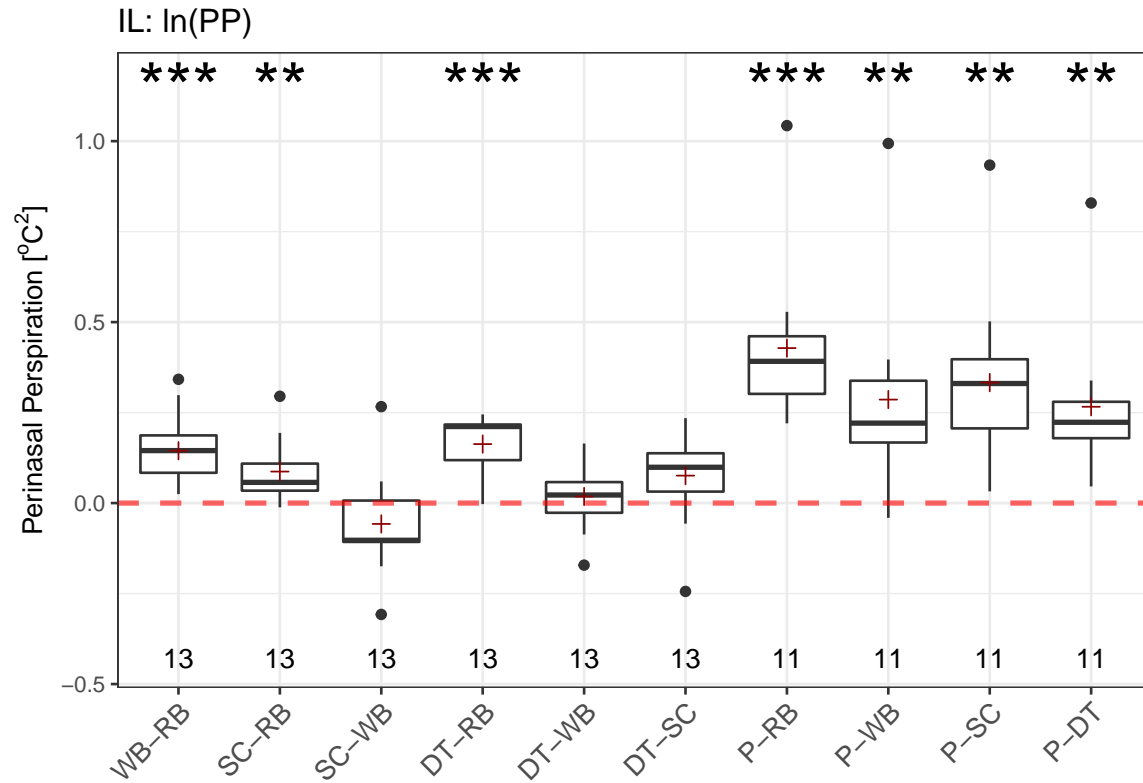






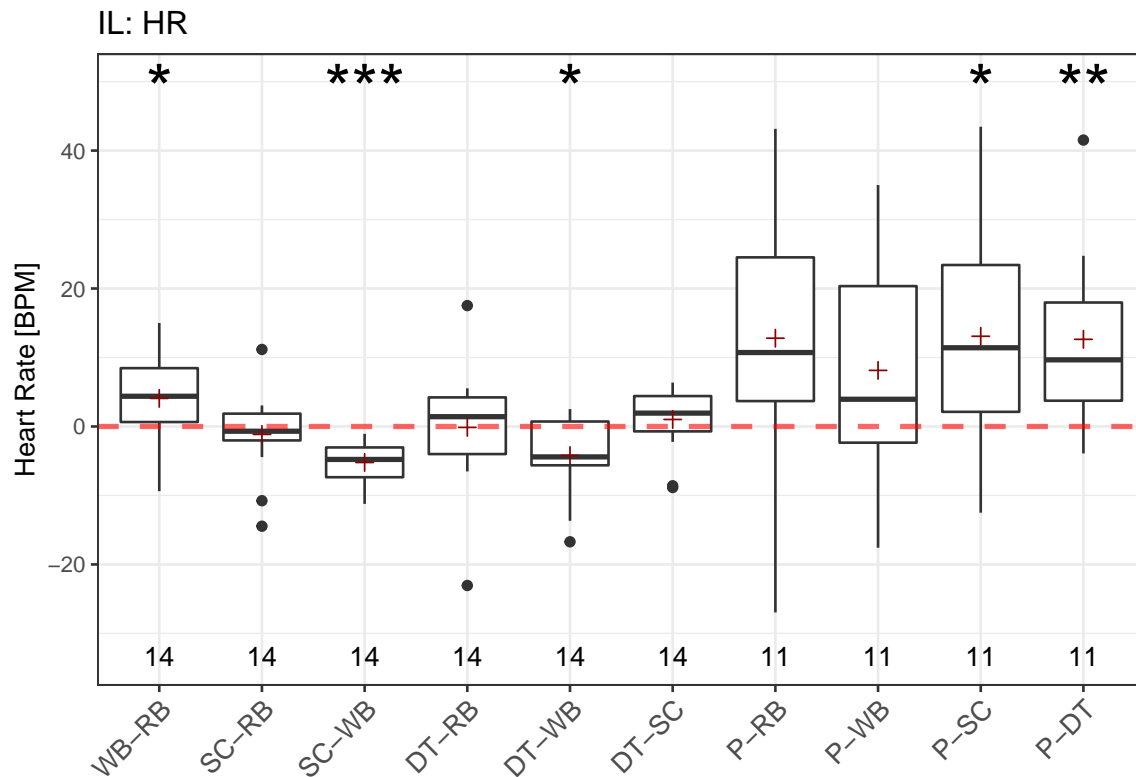


## Sensor Channel across Session



```
## Writing Baseline - Resting Baseline
## Transformed t-test p = 2e-04 < 0.001 ***
##
## Stress Condition - Resting Baseline
## Transformed t-test p = 0.0048 < 0.01 **
##
## StressCondition - Writing Baseline
## Transformed t-test p = 0.1501 > 0.05
##
## Dual Task - Resting Baseline
## Transformed t-test p = 0 < 0.001 ***
##
## Dual Task - Writing Baseline
## Transformed t-test p = 0.4898 > 0.05
##
## Dual Task - Stress Condition
## Transformed t-test p = 0.0502 > 0.05
##
## Presentation - Resting Baseline
## Transformed t-test p = 1e-04 < 0.001 ***
##
## Presentation - Writing Baseline
## Transformed t-test p = 0.0054 < 0.01 **
```

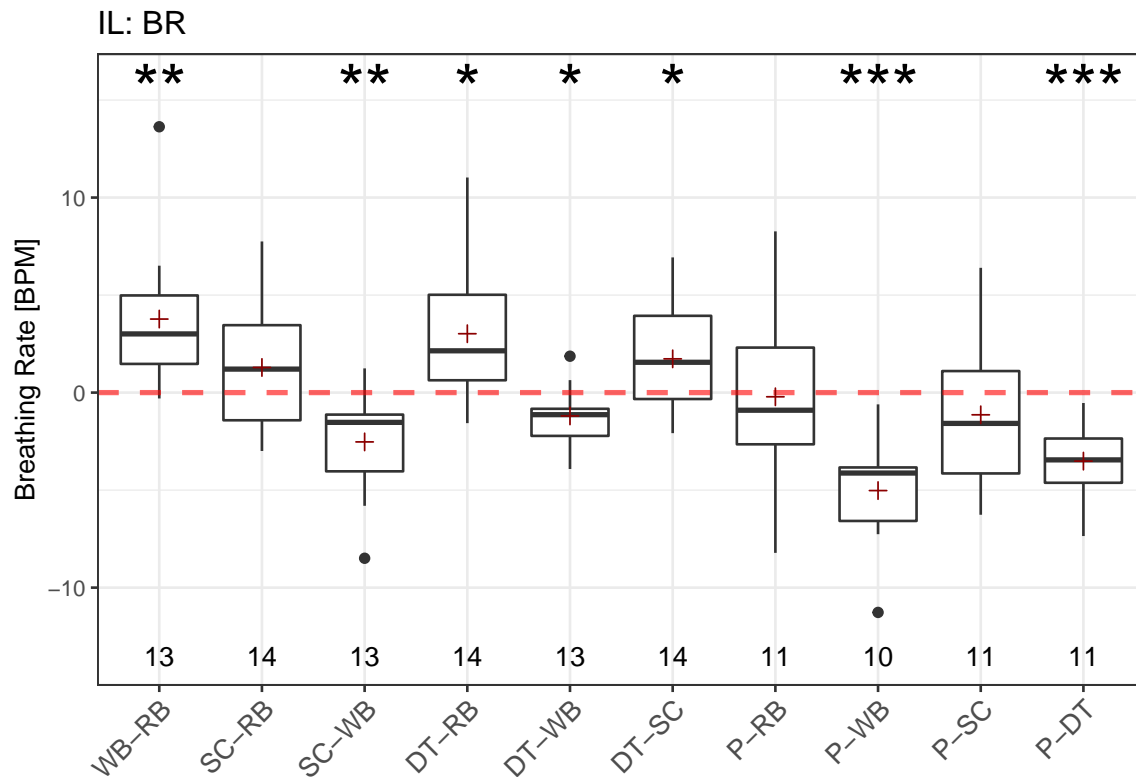
```
##  
## Presentation - Stress Condition  
## Transformed t-test  $p = 0.0012 < 0.01$  **  
##  
## Presentation - Dual Task  
## Transformed t-test  $p = 0.0016 < 0.01$  **
```



```
## 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
```



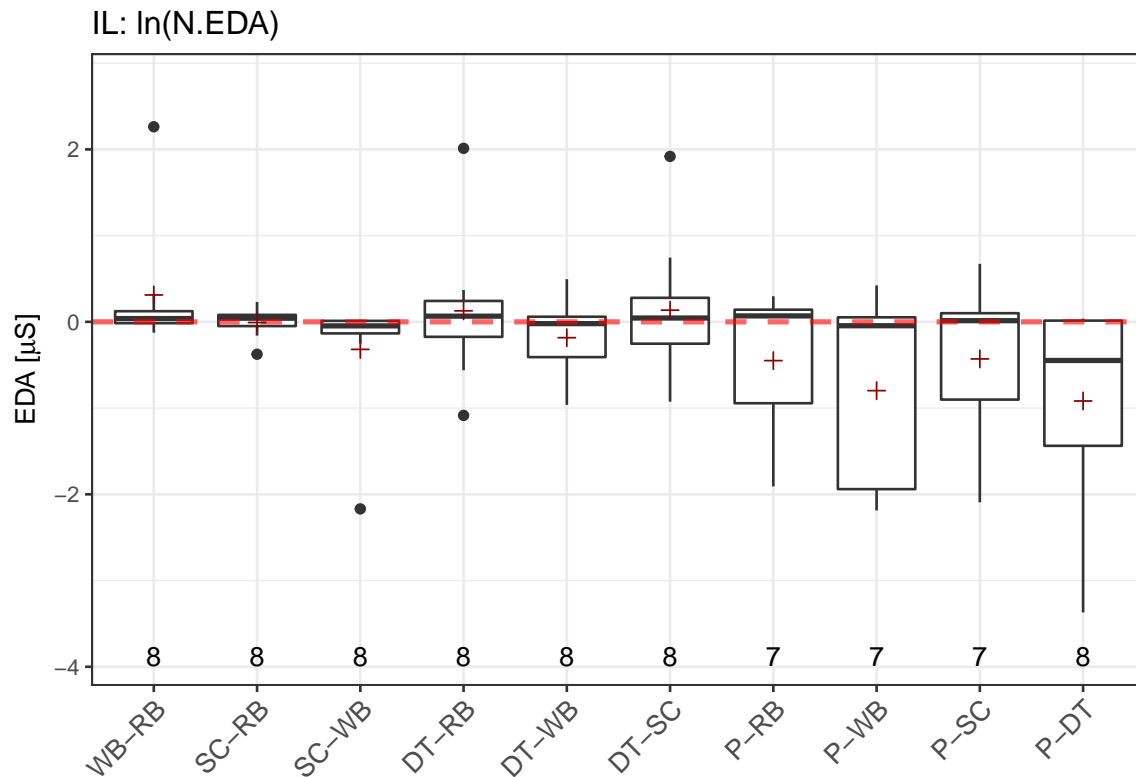
```
## t-test p = 0.0209 < 0.05  *  
##  
## Presentation - Dual Task  
## t-test p = 0.0094 < 0.01  **
```



```
## 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 ***
```

```
## IL has LESS than 7 subjects for D.EDA. Cannot continue with test.
## -----
```



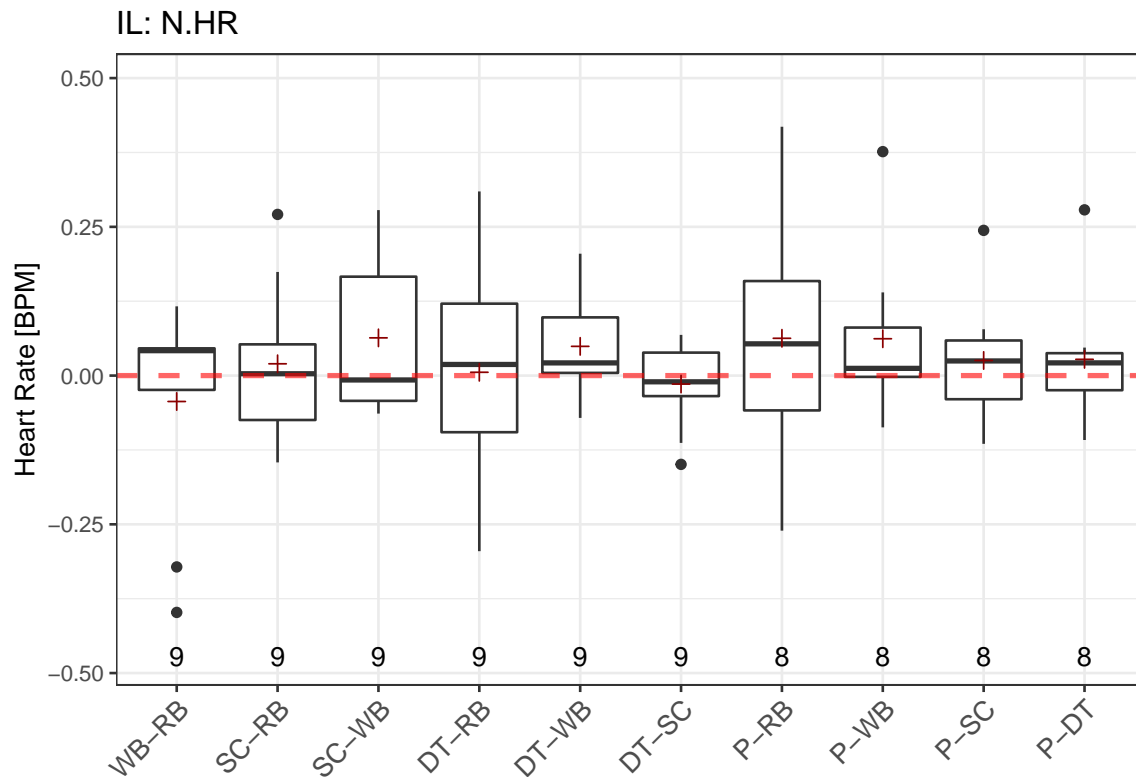
```

## 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
```

```
## IL has LESS than 7 subjects for D.HR. Cannot continue with test.
## -----
```



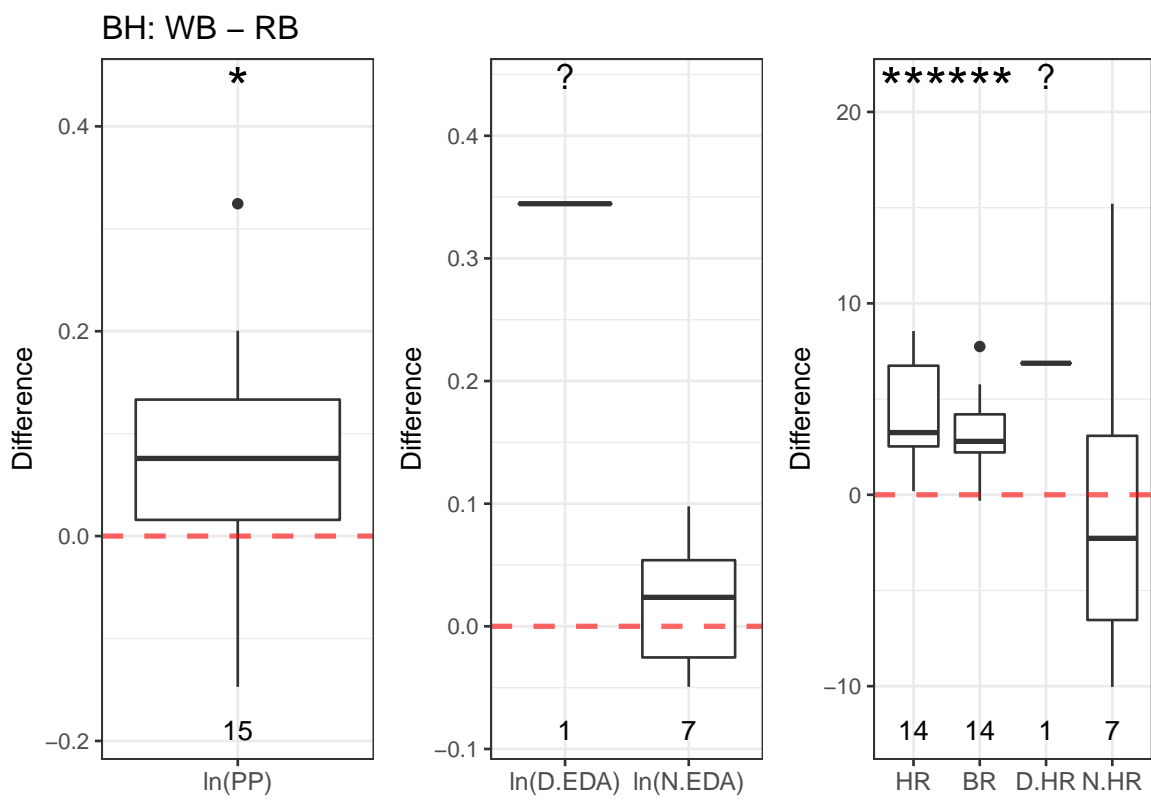
```
## Writing Baseline - Resting Baseline
## Wilcoxon p = 0.8203 > 0.05
##
## Stress Condition - Resting Baseline
## Wilcoxon p = 0.8203 > 0.05
##
## StressCondition - Writing Baseline
## Wilcoxon p = 0.4258 > 0.05
##
## Dual Task - Resting Baseline
## Wilcoxon p = 0.7344 > 0.05
##
## Dual Task - Writing 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
```

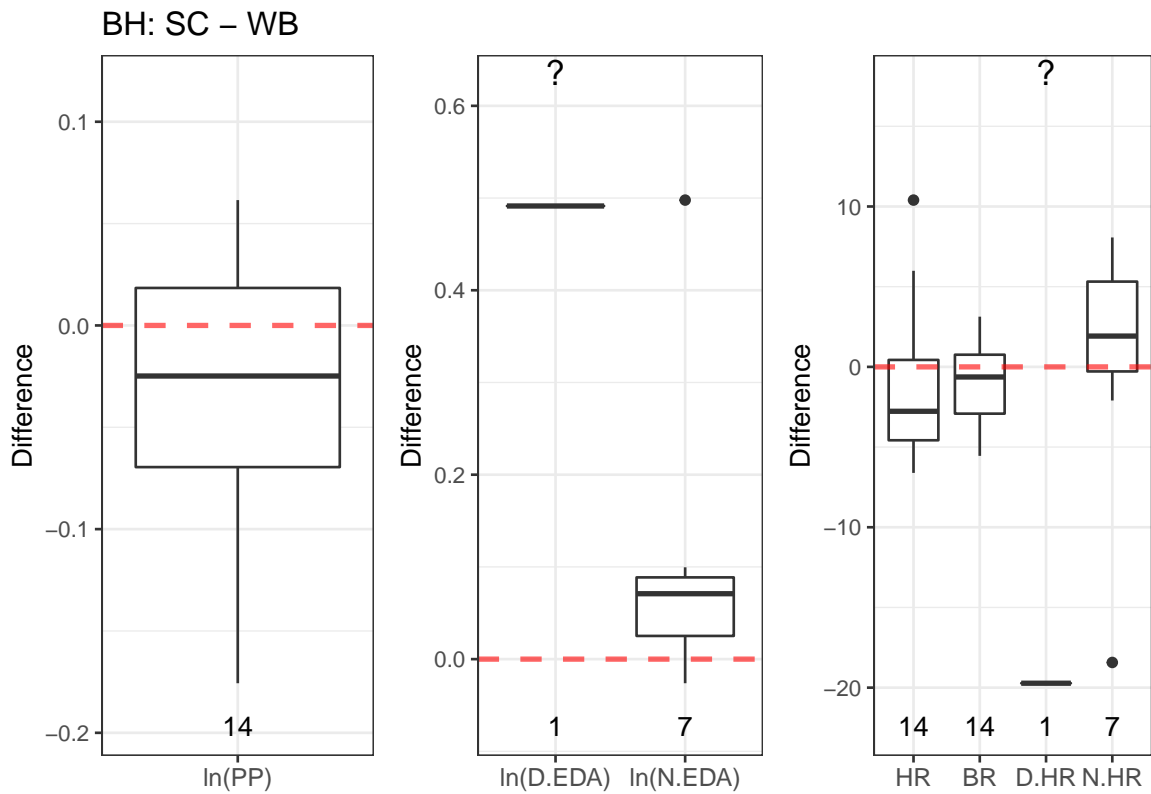
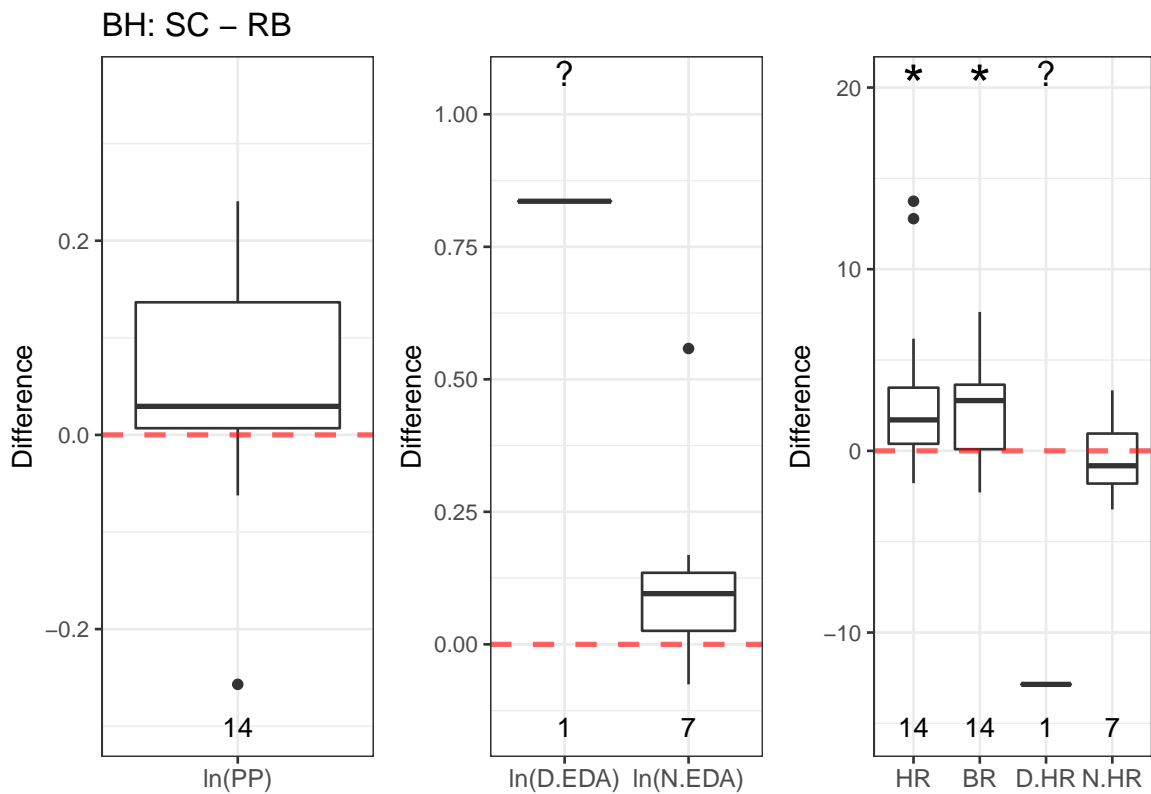
```
## Wilcoxon p = 0.7422 > 0.05
##
## Presentation - Dual Task
## Wilcoxon p = 0.7422 > 0.05
```

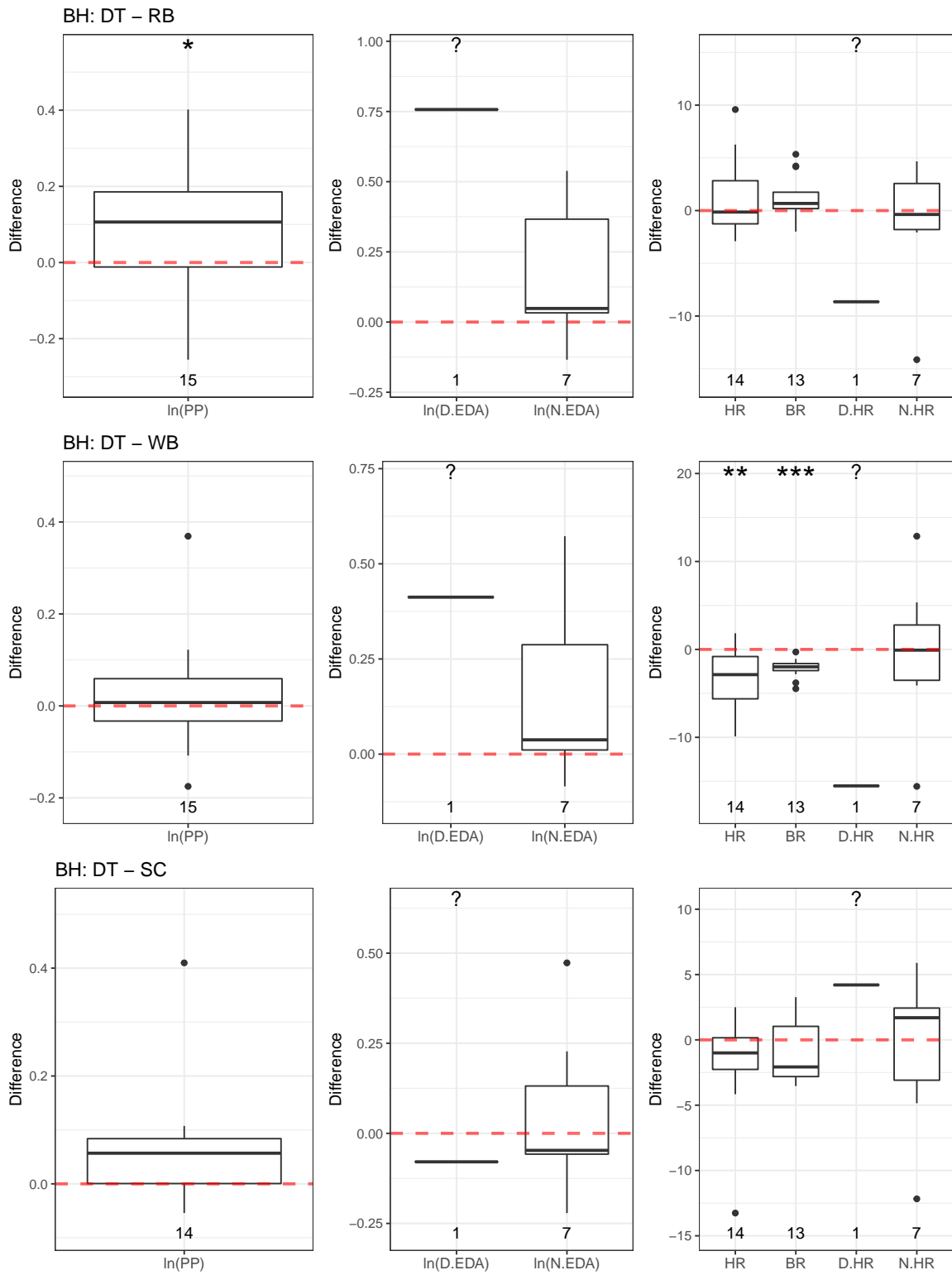
**Batch-High (BH)**

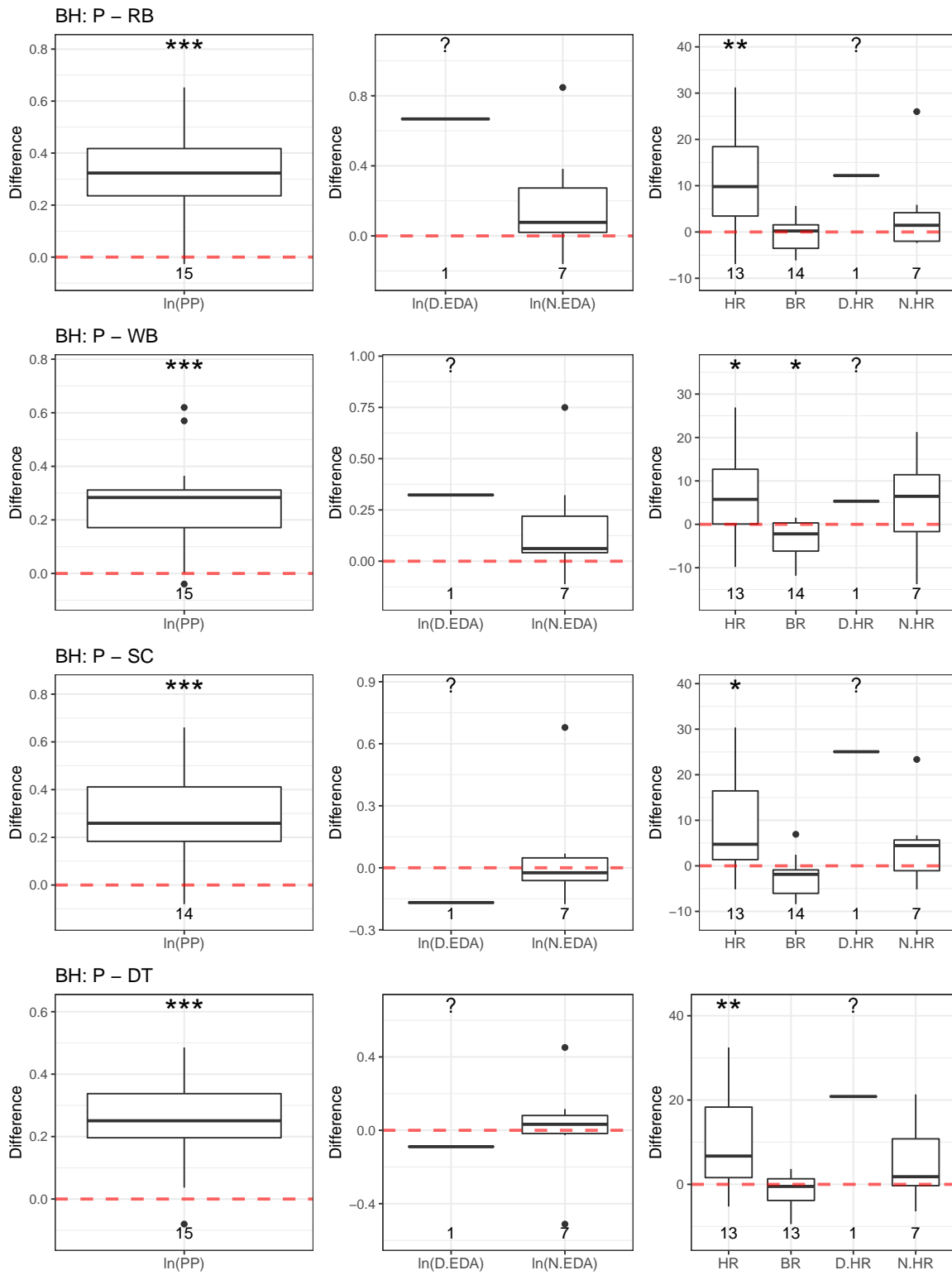


## Sensor Channels per Session

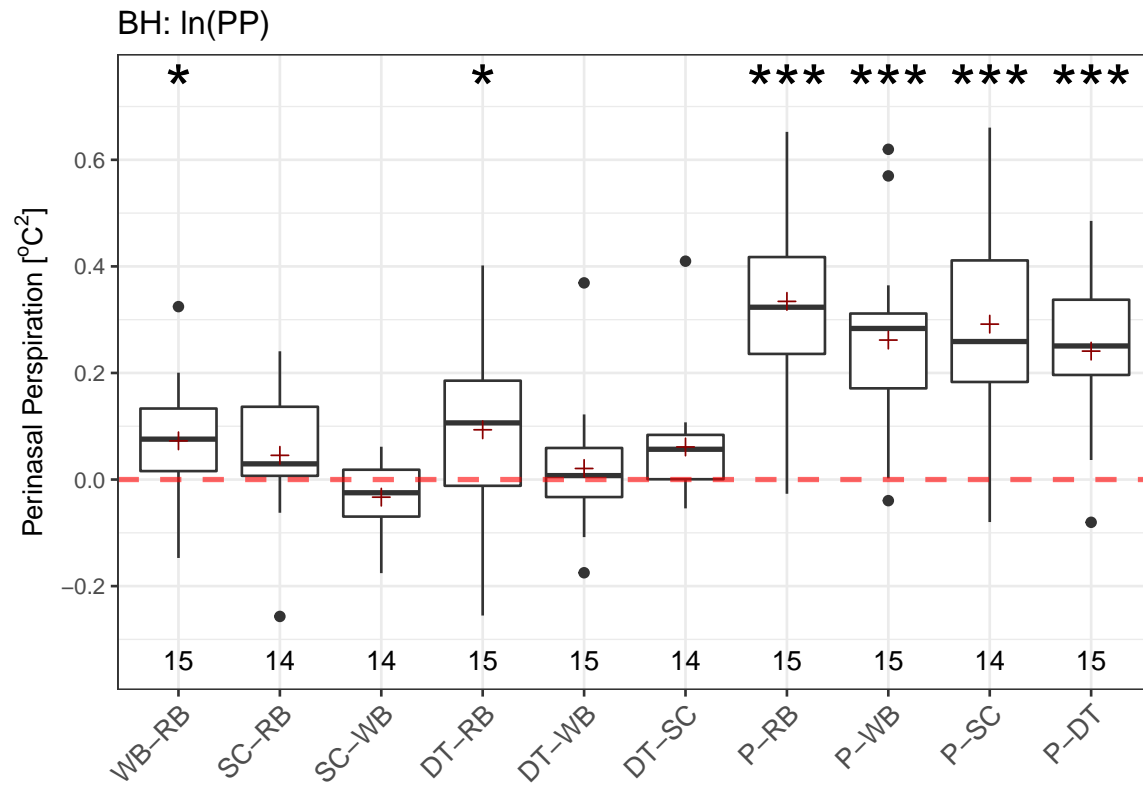






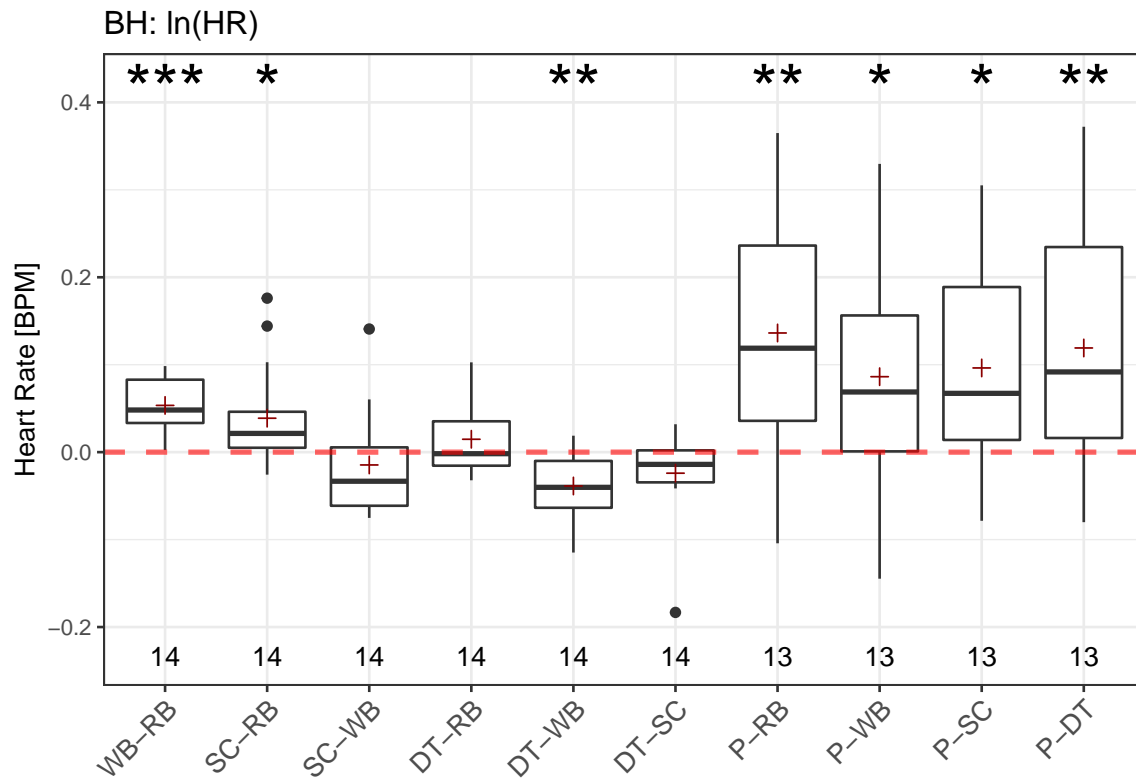


## Sensor Channel across Session



```
## 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  ***
```

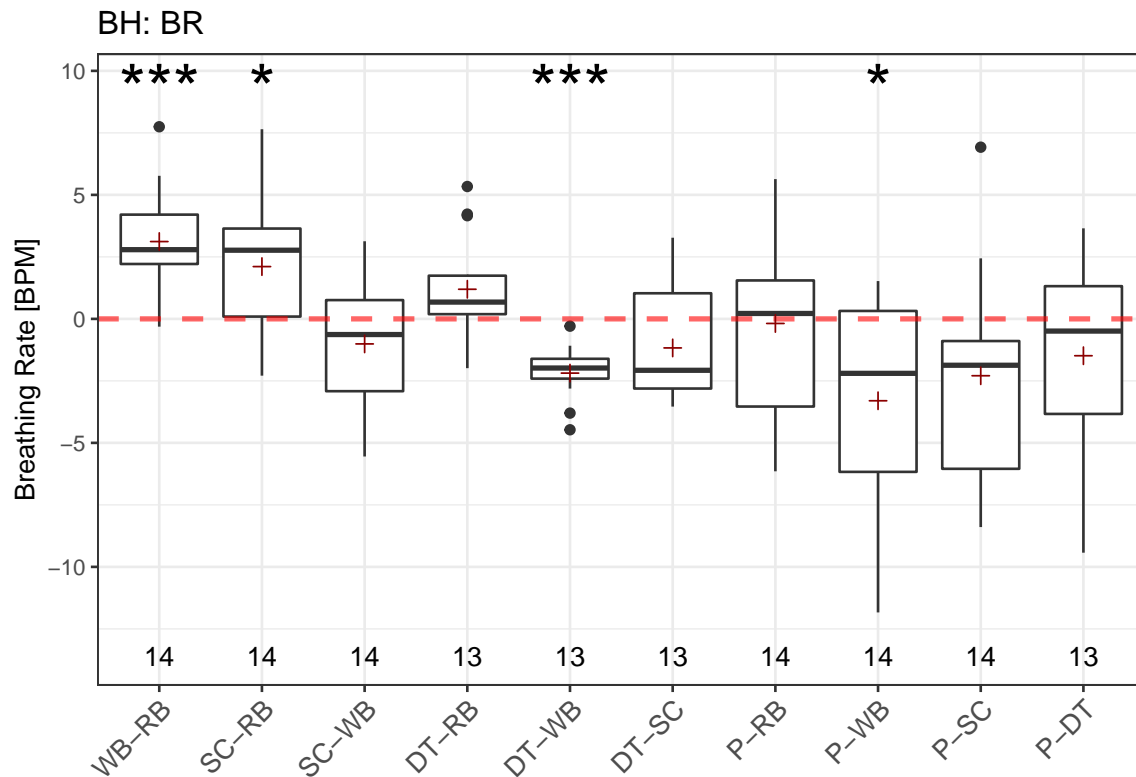
```
##  
## Presentation - Stress Condition  
## Transformed t-test p = 1e-04 < 0.001 ***  
##  
## Presentation - Dual Task  
## Transformed t-test p = 0 < 0.001 ***
```



```
## 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  **
```

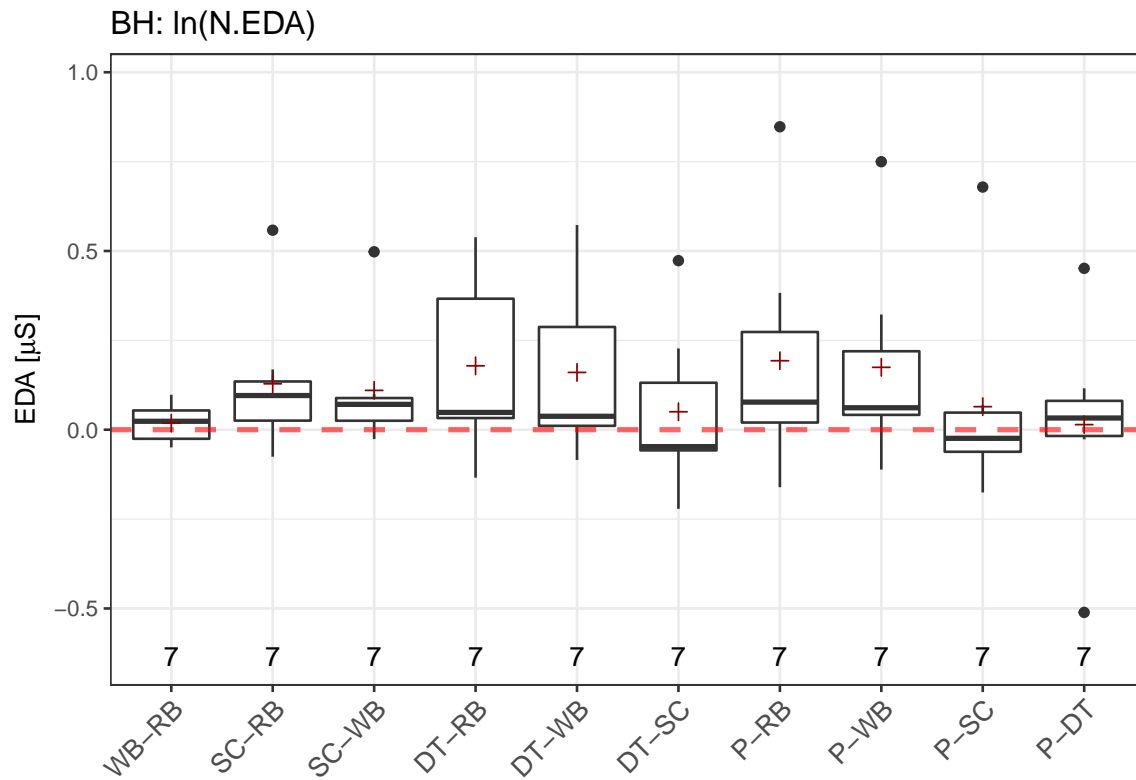




```
## Writing Baseline - Resting Baseline
## t-test p = 1e-04 < 0.001 ***
##
## Stress Condition - Resting Baseline
## t-test p = 0.0167 < 0.05 *
##
## StressCondition - Writing Baseline
## t-test p = 0.1543 > 0.05
##
## Dual Task - Resting Baseline
## t-test p = 0.0745 > 0.05
##
## Dual Task - Writing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

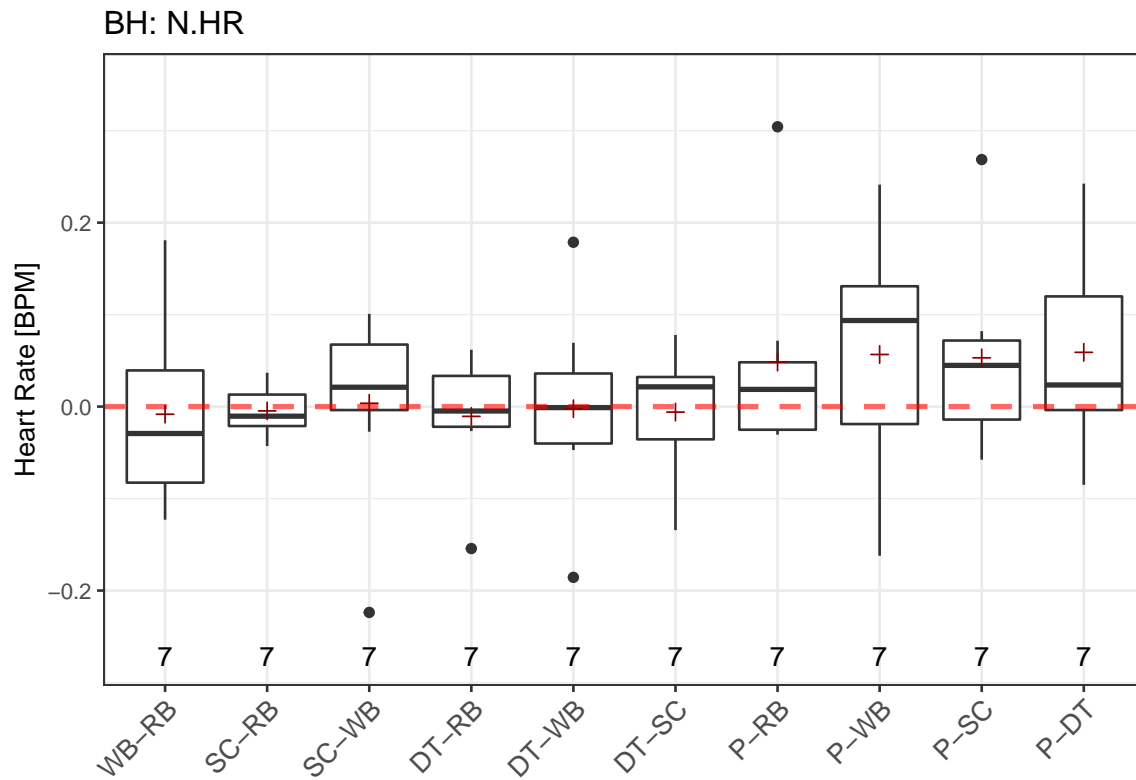
```
## BH has LESS than 7 subjects for D.EDA. Cannot continue with test.
## -----
```



```
## 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
```

```
## BH has LESS than 7 subjects for D.HR. Cannot continue with test.
## -----
```

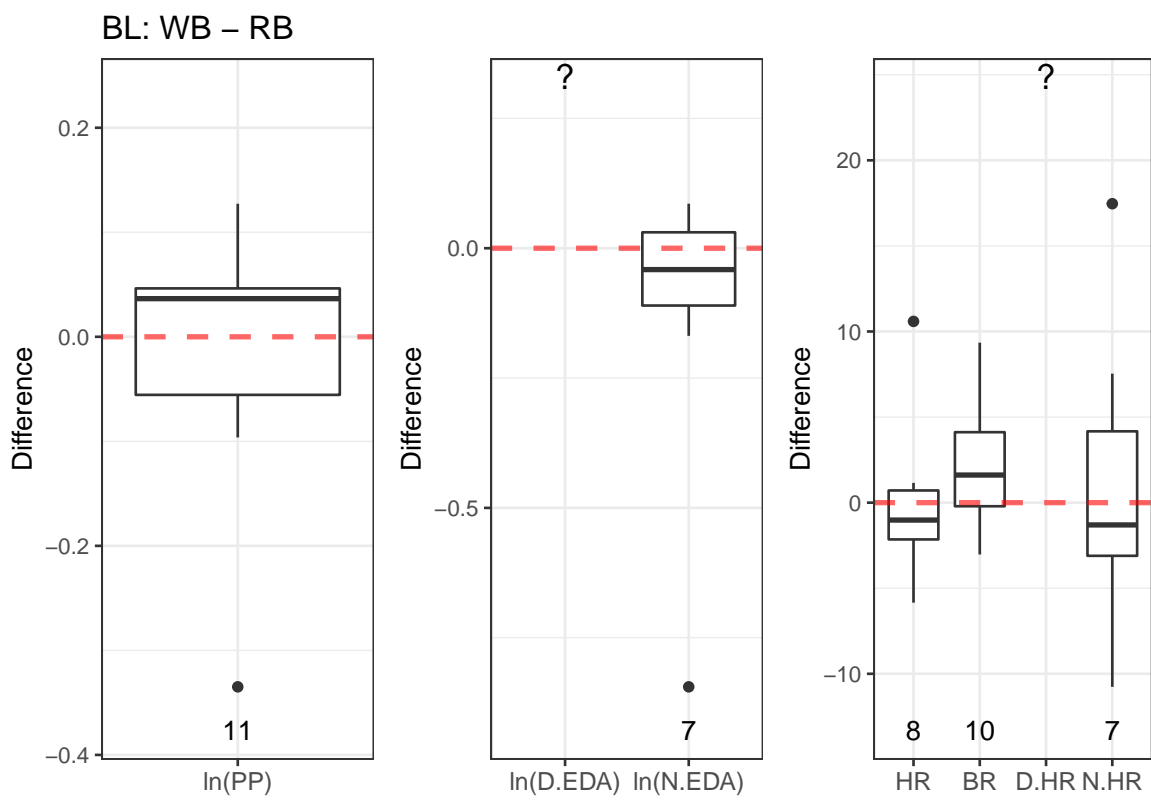


```
## Writing Baseline - Resting Baseline
## Wilcoxon p = 0.8125 > 0.05
##
## Stress Condition - Resting Baseline
## Wilcoxon p = 0.6875 > 0.05
##
## StressCondition - Writing Baseline
## Wilcoxon p = 0.5781 > 0.05
##
## Dual Task - Resting Baseline
## Wilcoxon p = 0.9375 > 0.05
##
## Dual Task - Writing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

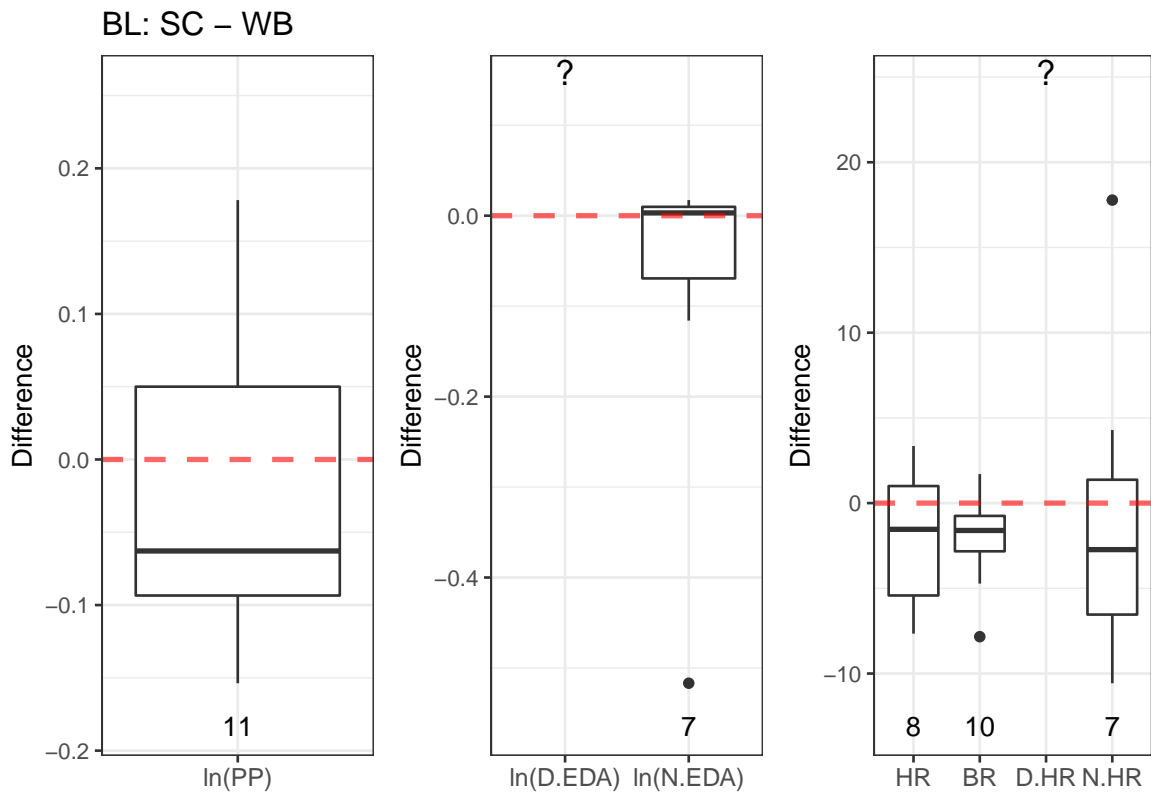
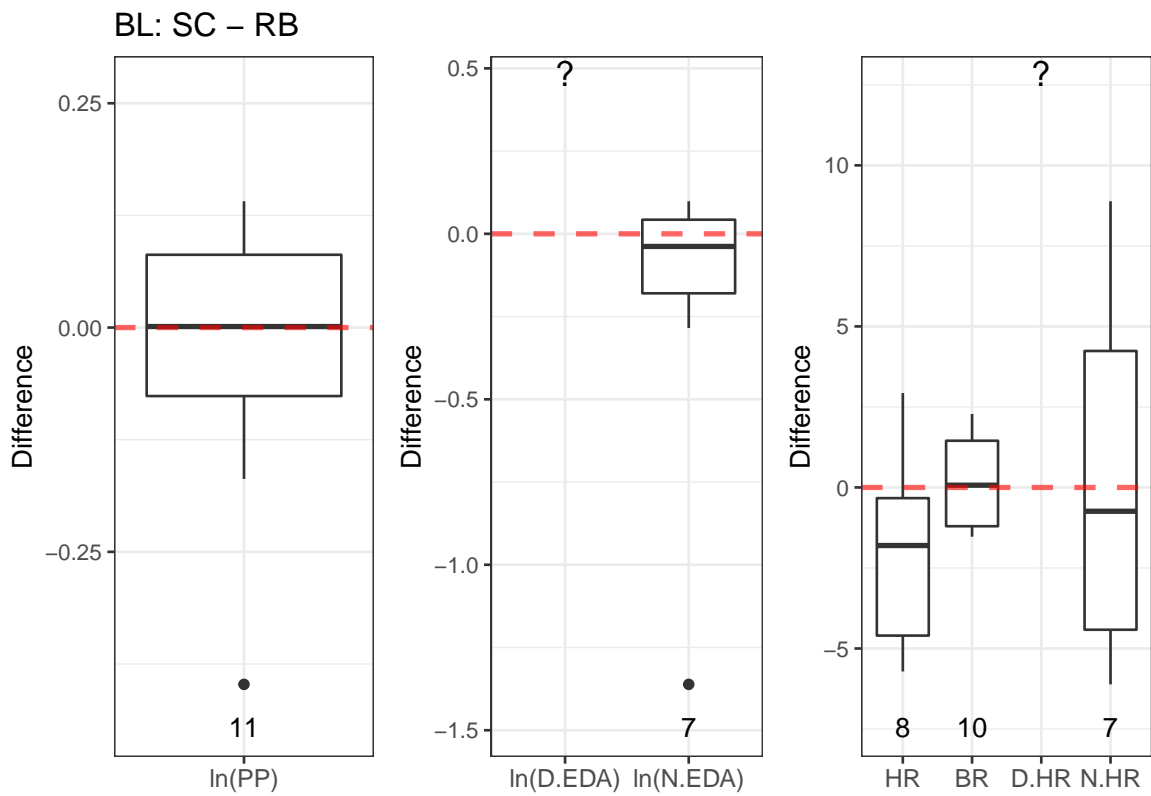
```
## Wilcoxon p = 0.2969 > 0.05
##
## Presentation - Dual Task
## Wilcoxon p = 0.375 > 0.05
```

**Batch-Low (BL)**

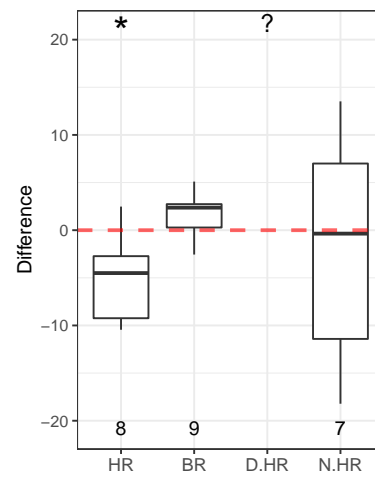
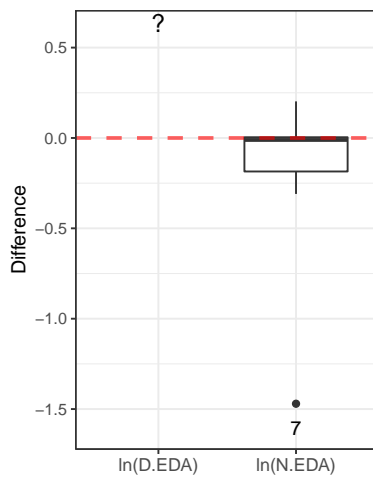
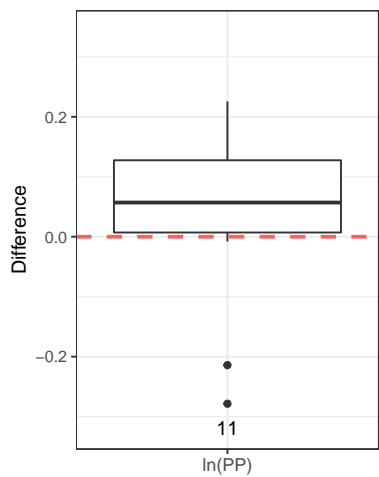
## Sensor Channels per Session



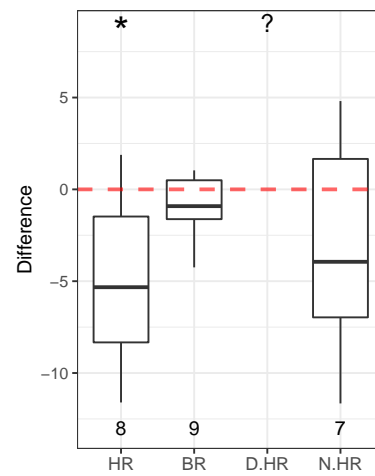
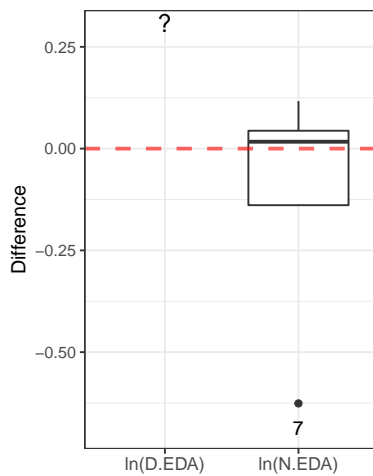
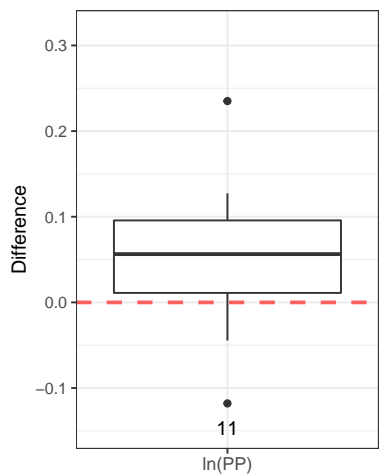




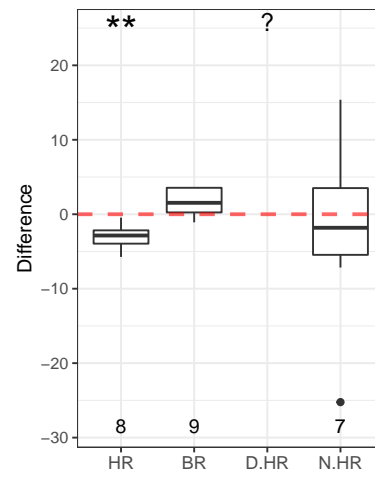
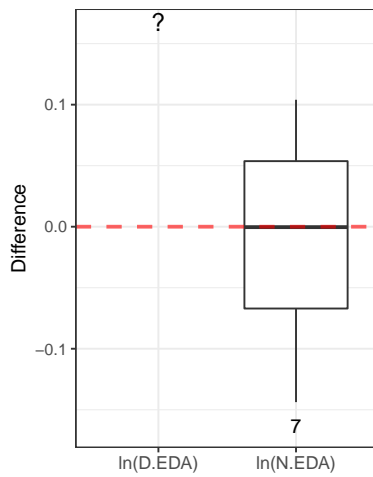
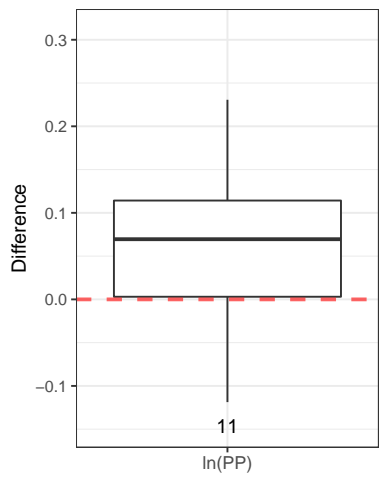
BL: DT – RB

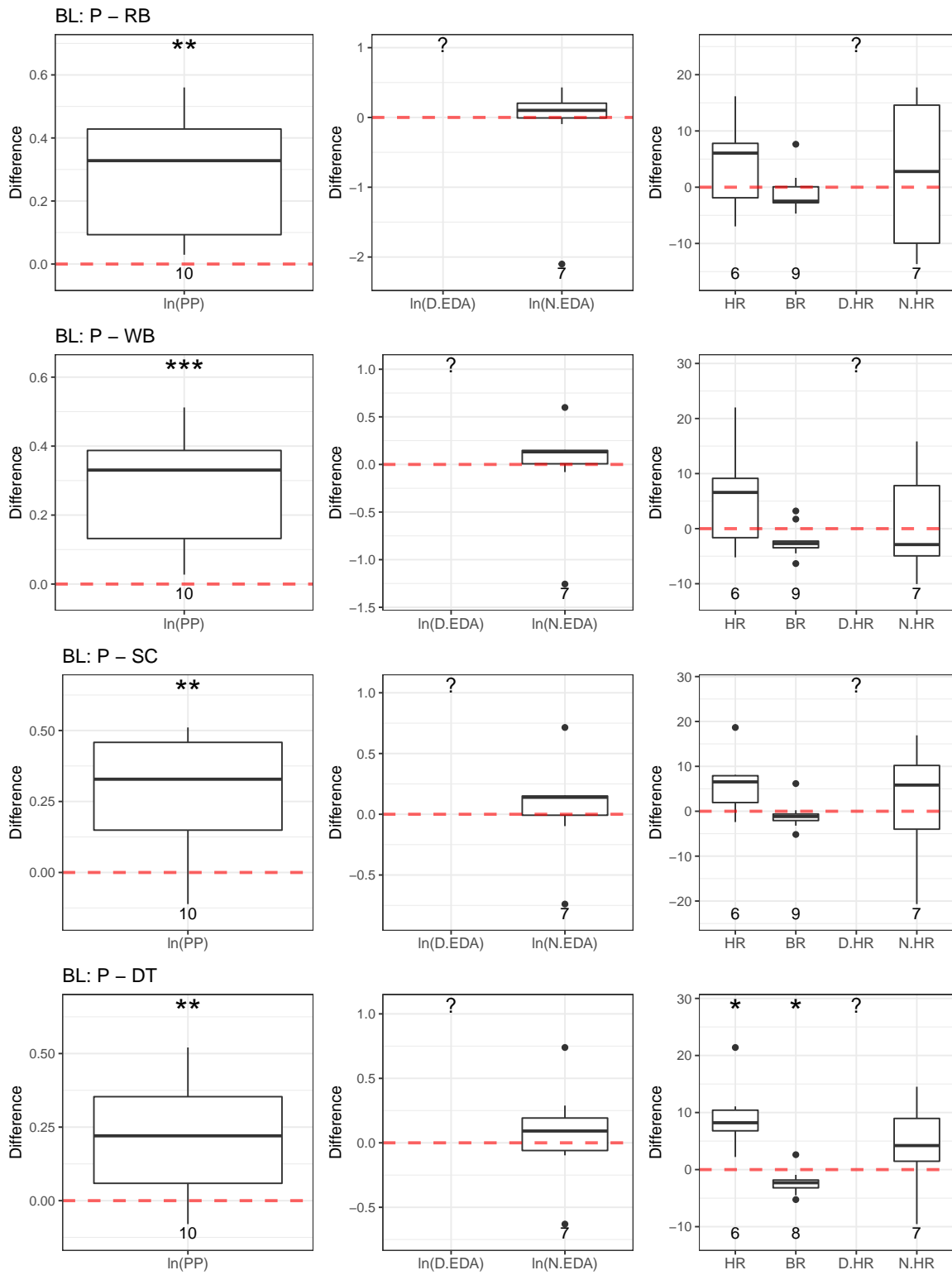


BL: DT – WB

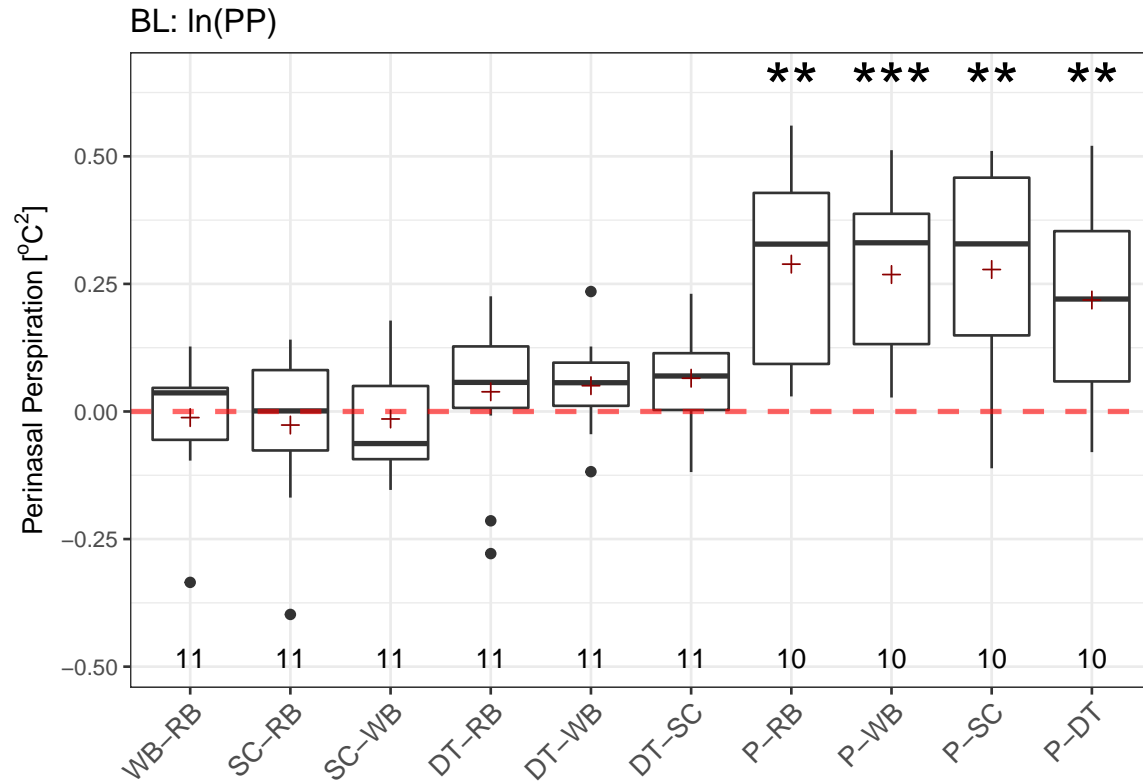


BL: DT – SC



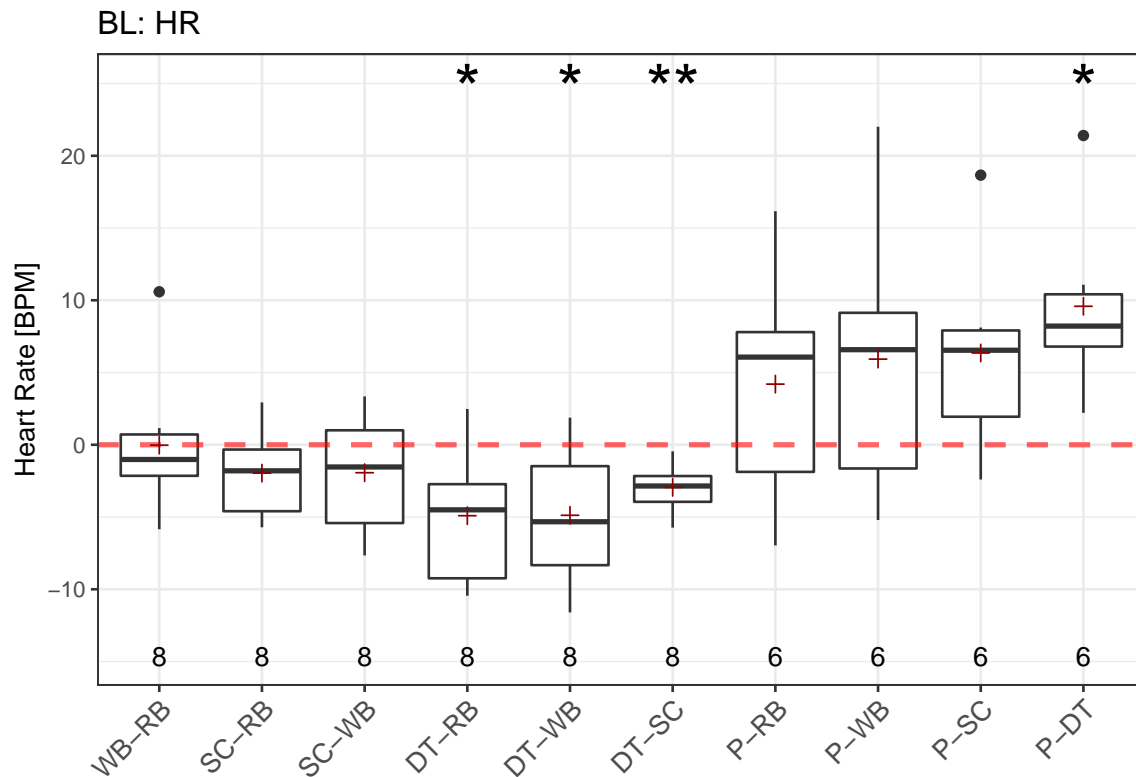


## Sensor Channel across Session



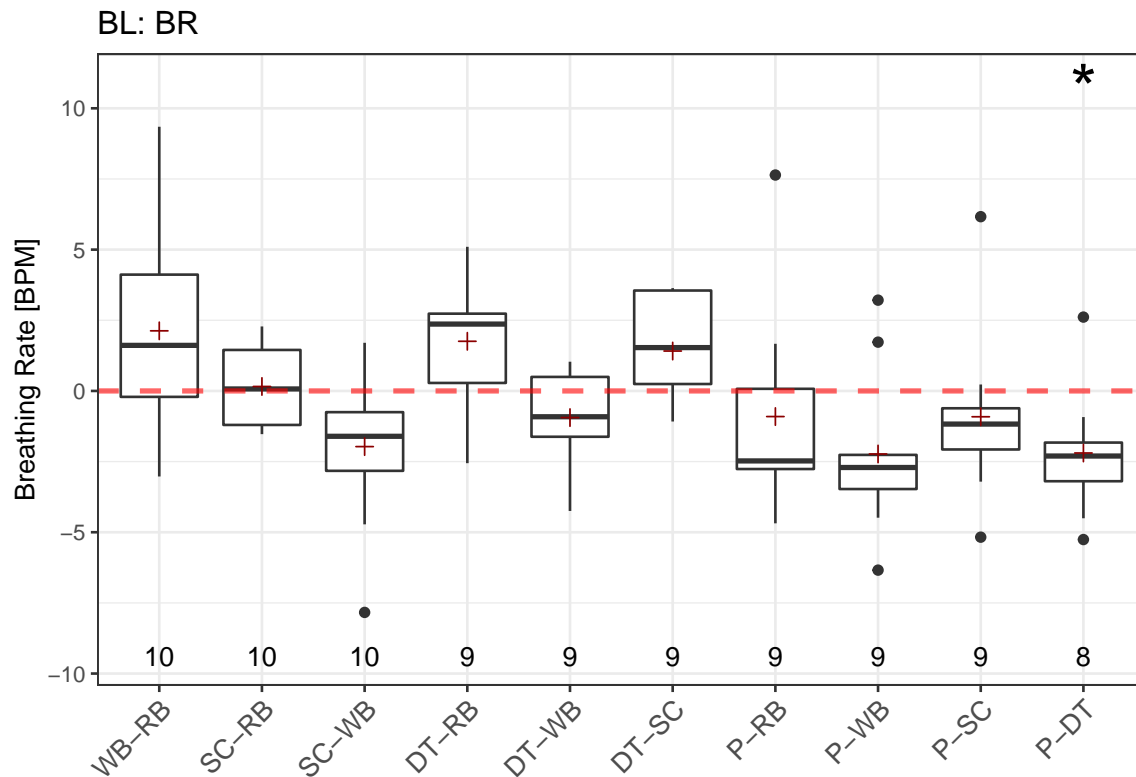
```
## Writing Baseline - Resting Baseline
## Transformed t-test p = 0.7647 > 0.05
##
## Stress Condition - Resting Baseline
## Transformed t-test p = 0.5789 > 0.05
##
## StressCondition - Writing Baseline
## Transformed t-test p = 0.6708 > 0.05
##
## Dual Task - Resting Baseline
## Transformed t-test 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  **
```



```
## 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  *
```

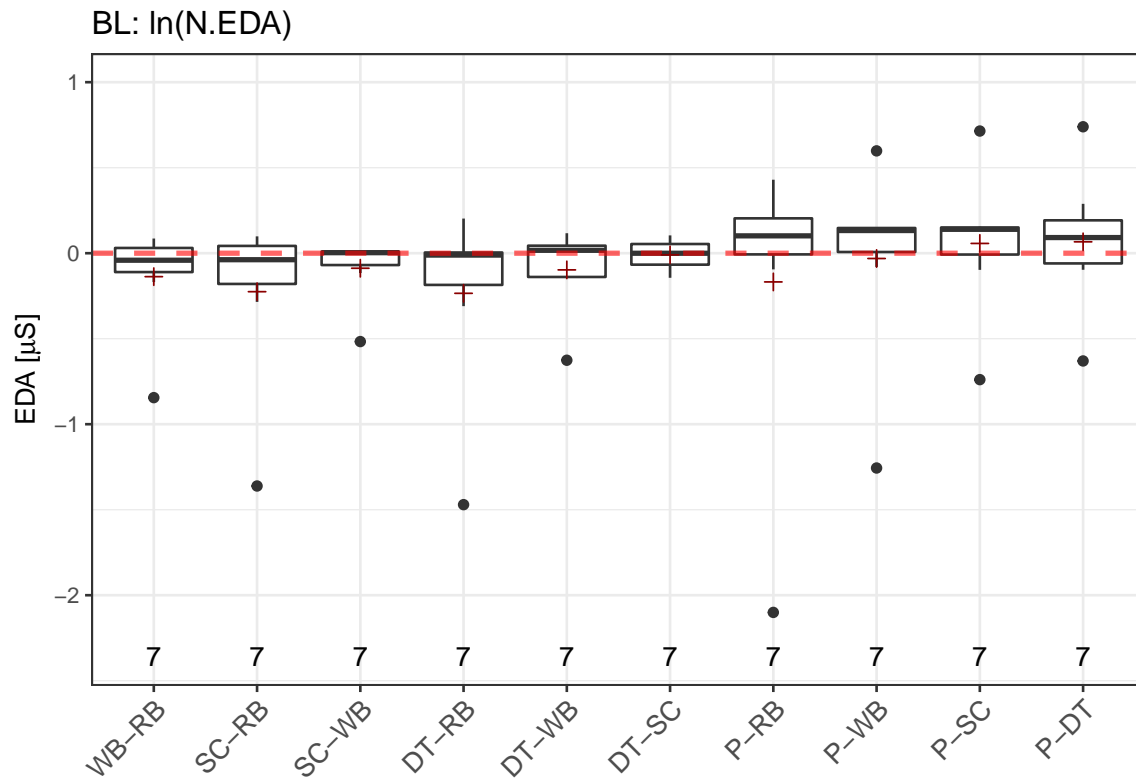


```
## Writing Baseline - Resting Baseline
## t-test p = 0.0916 > 0.05
##
## Stress Condition - Resting Baseline
## t-test p = 0.7428 > 0.05
##
## StressCondition - Writing Baseline
## t-test p = 0.0548 > 0.05
##
## Dual Task - Resting Baseline
## t-test p = 0.0695 > 0.05
##
## Dual Task - Writing Baseline
## 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  *
```

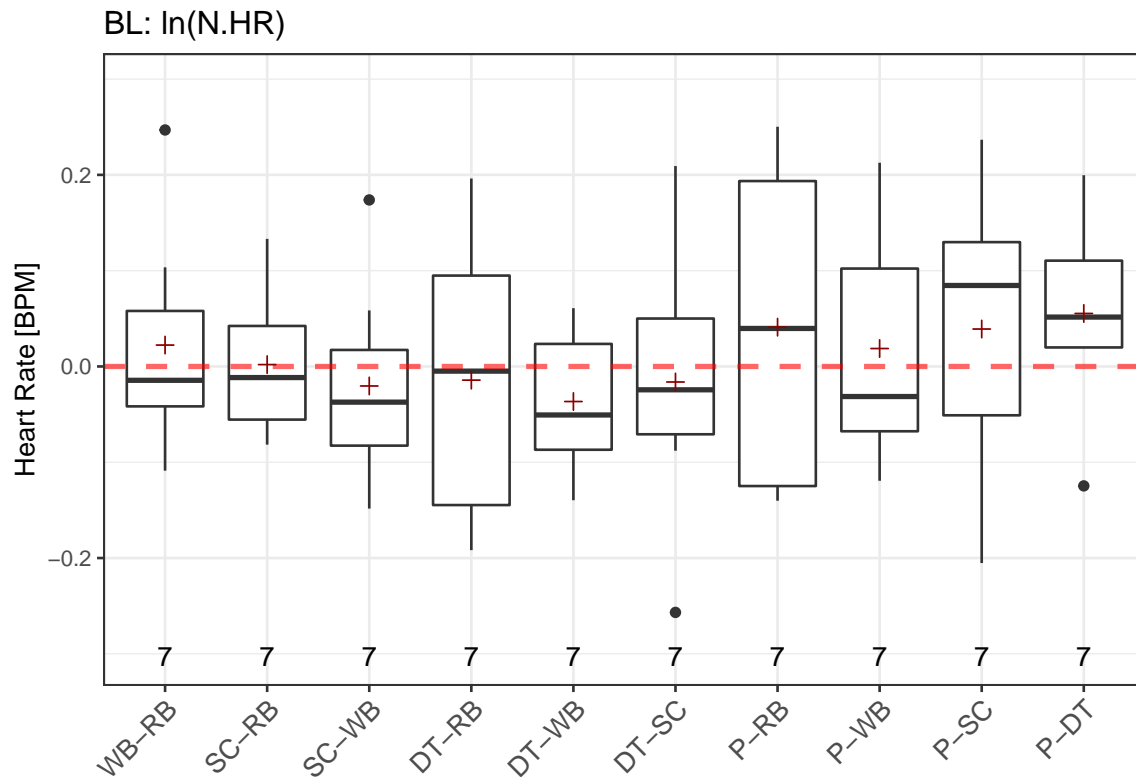
```
## BL has LESS than 7 subjects for D.EDA. Cannot continue with test.
## -----
```



```
## 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
```

```
## BL has LESS than 7 subjects for D.HR. Cannot continue with test.
## -----
```



```
## 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
```

## Summary

Condition	Difference	Measure	p	Test	n	Significance
BH	WB - RB	PP	0.0219462	Transformed t-test	15	*
BH	WB - RB	HR	0.0000130	Transformed t-test	14	***
BH	WB - RB	BR	0.0001138	t-test	14	***
BH	WB - RB	N.EDA	0.4010163	Transformed t-test	7	
BH	WB - RB	N.HR	0.8125000	Wilcoxon	7	
BH	SC - RB	PP	0.1778303	Transformed t-test	14	
BH	SC - RB	HR	0.0327106	Transformed t-test	14	*
BH	SC - RB	BR	0.0167176	t-test	14	*
BH	SC - RB	N.EDA	0.1496509	Transformed t-test	7	
BH	SC - RB	N.HR	0.6875000	Wilcoxon	7	
BH	SC - WB	PP	0.0973689	Transformed t-test	14	
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.HR	0.9375000	Wilcoxon	7	
BH	DT - WB	PP	0.5259981	Transformed t-test	15	
BH	DT - WB	HR	0.0024620	Transformed t-test	14	**
BH	DT - WB	BR	0.0000095	t-test	13	***
BH	DT - WB	N.EDA	0.1170956	Transformed t-test	7	
BH	DT - WB	N.HR	0.9375000	Wilcoxon	7	
BH	DT - SC	PP	0.0629673	Transformed t-test	14	
BH	DT - SC	HR	0.0971471	Transformed t-test	14	
BH	DT - SC	BR	0.1008707	t-test	13	
BH	DT - SC	N.EDA	0.5837117	Transformed t-test	7	
BH	DT - SC	N.HR	0.9375000	Wilcoxon	7	
BH	P - RB	PP	0.0000026	Transformed t-test	15	***
BH	P - RB	HR	0.0047967	Transformed t-test	13	**
BH	P - RB	BR	0.8470484	t-test	14	
BH	P - RB	N.EDA	0.1756011	Transformed t-test	7	
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 - SC	N.HR	0.2968750	Wilcoxon	7	

(continued)

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	Transformed t-test	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	

(continued)

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	0.0004706	Transformed t-test	15	***
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	0.0096267	Transformed t-test	14	**
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	0.2539293	Transformed t-test	14	
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	0.0000286	Transformed t-test	15	***
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	0.0742164	Transformed t-test	15	
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	0.0421551	Transformed t-test	14	*
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	0.0001365	Transformed t-test	15	***
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	0.0033095	Transformed t-test	15	**
IH	P - WB	HR	0.0288561	t-test	10	*
IH	P - WB	BR	0.0000713	t-test	15	***
IH	P - WB	N.EDA	0.7494501	Transformed t-test	8	



(continued)

Condition	Difference	Measure	p	Test	n	Significance
IH	P - WB	N.HR	0.5532956	Transformed t-test	8	
IH	P - SC	PP	0.0018224	Transformed t-test	14	**
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	0.0054071	Transformed t-test	15	**
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	0.0001706	Transformed t-test	13	***
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	0.0047788	Transformed t-test	13	**
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	0.1501126	Transformed t-test	13	
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	0.0000074	Transformed t-test	13	***
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	0.4897627	Transformed t-test	13	
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	0.0502407	Transformed t-test	13	
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	0.0000892	Transformed t-test	11	***
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	0.0054046	Transformed t-test	11	**

(continued)

Condition	Difference	Measure	p	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	0.0011554	Transformed t-test	11	**
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	0.0015878	Transformed t-test	11	**
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	