Hypothesis Testing for NSF Office Stress Project - Full Sensor Set

Below are the test results for each of the Conditions that had n >= 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:

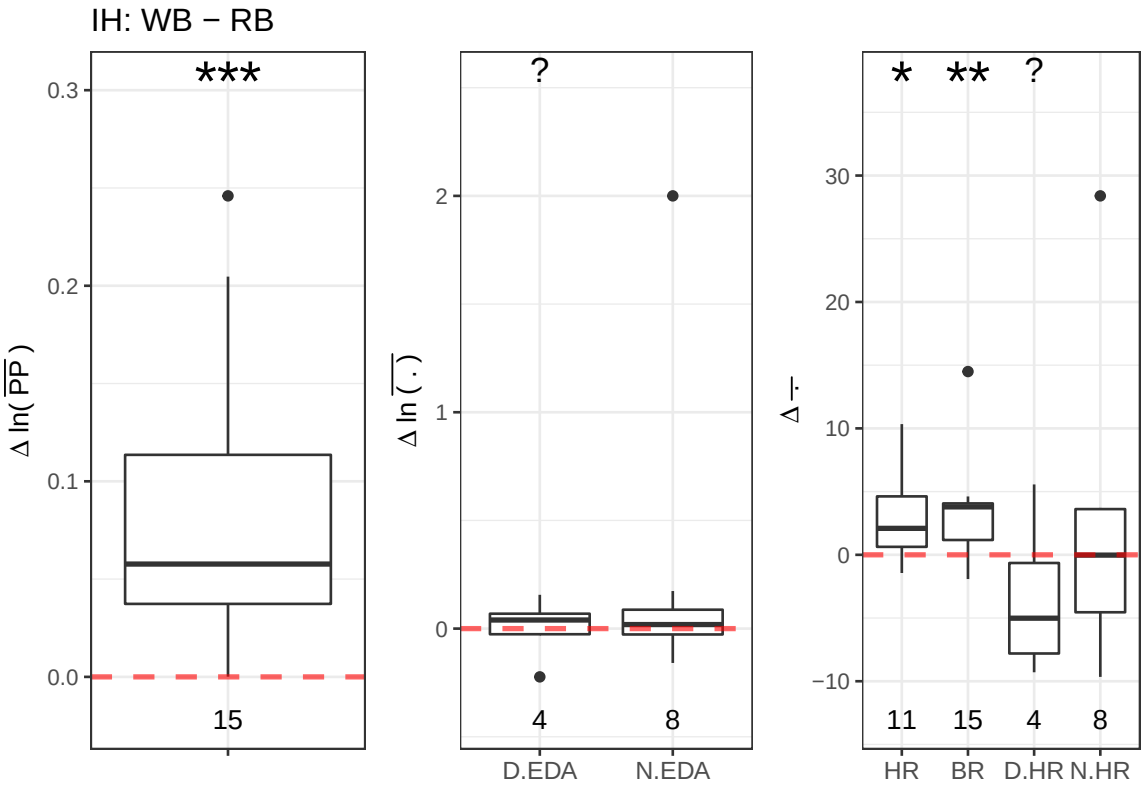
WB-RB = Writing Baseline - Resting Baseline
SC-RB = Stress Condition - Resting Baseline
SC-WB = Stress Condition - Writing Baseline
DT-RB = Dual Task - Resting Baseline
DT-WB = Dual Task - Writing Baseline
DT-SC = Dual Task - Stress Condition
P-RB = Presentation - Resting Baseline
P-WB = Presentation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

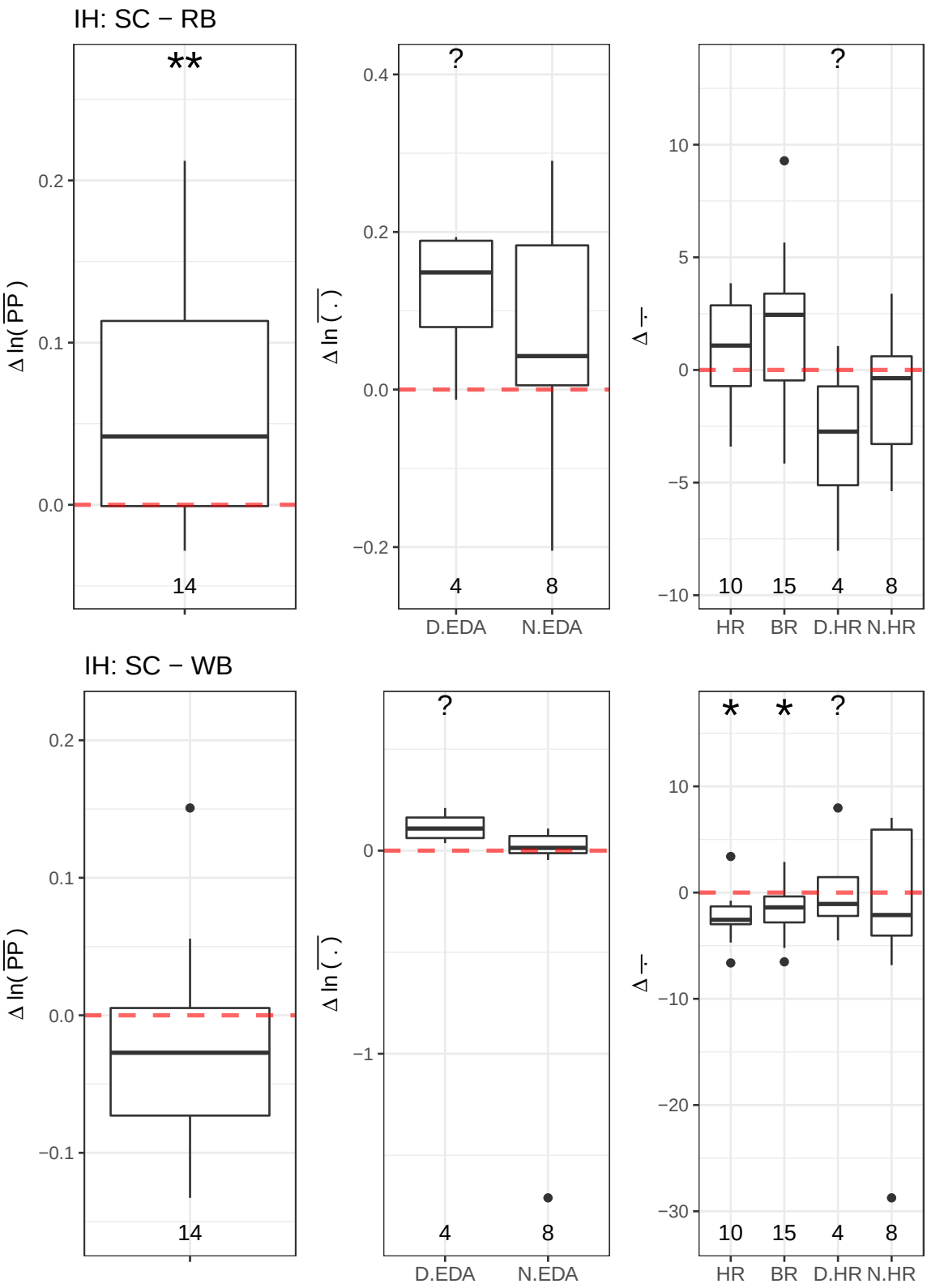
For each of the graphs, let:

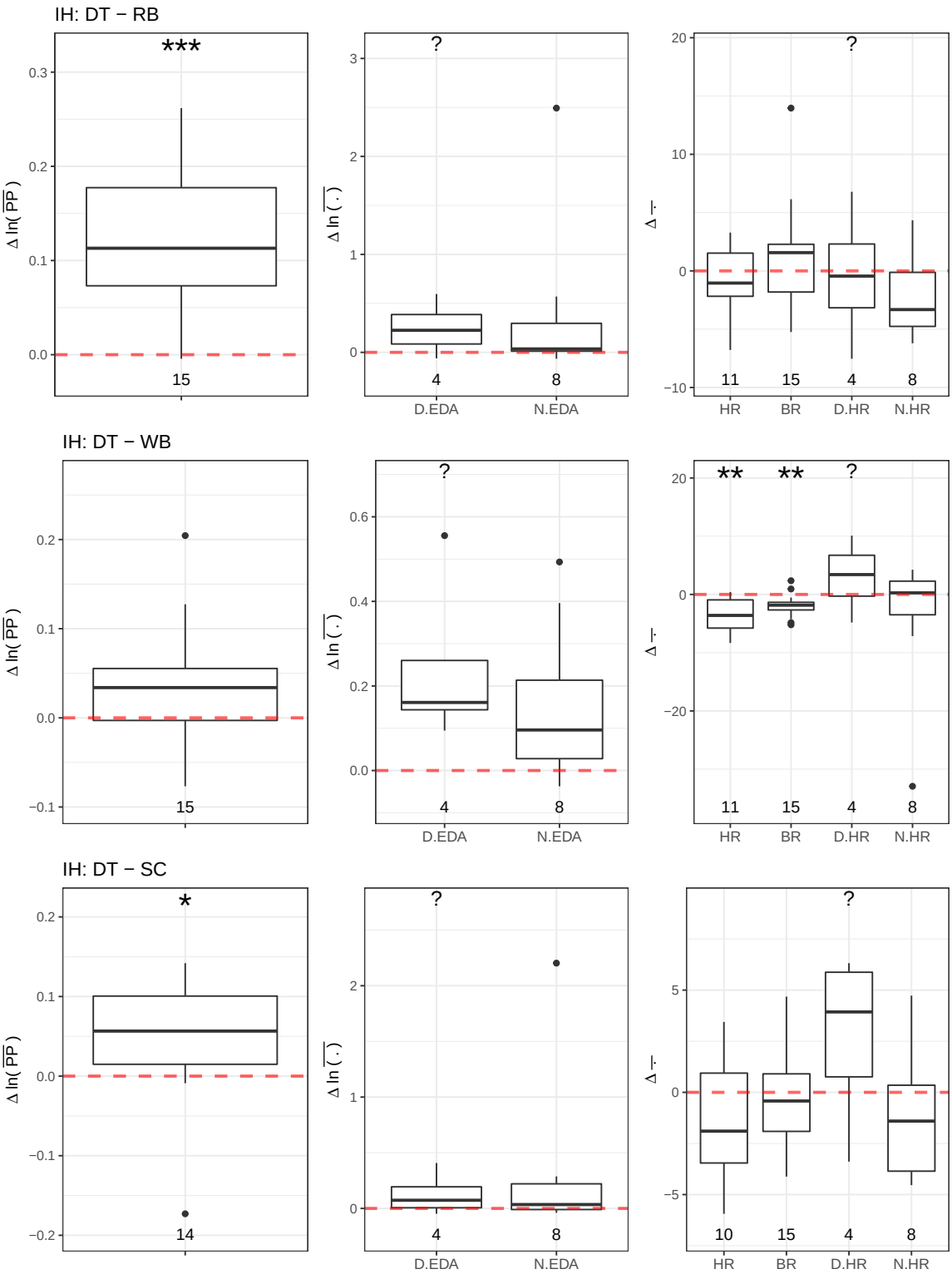
* = 0.01 < p <= 0.05
** = 0.001 < p <= 0.01
*** = p <= 0.001
? = Did not run statistical test ($n < 7$)

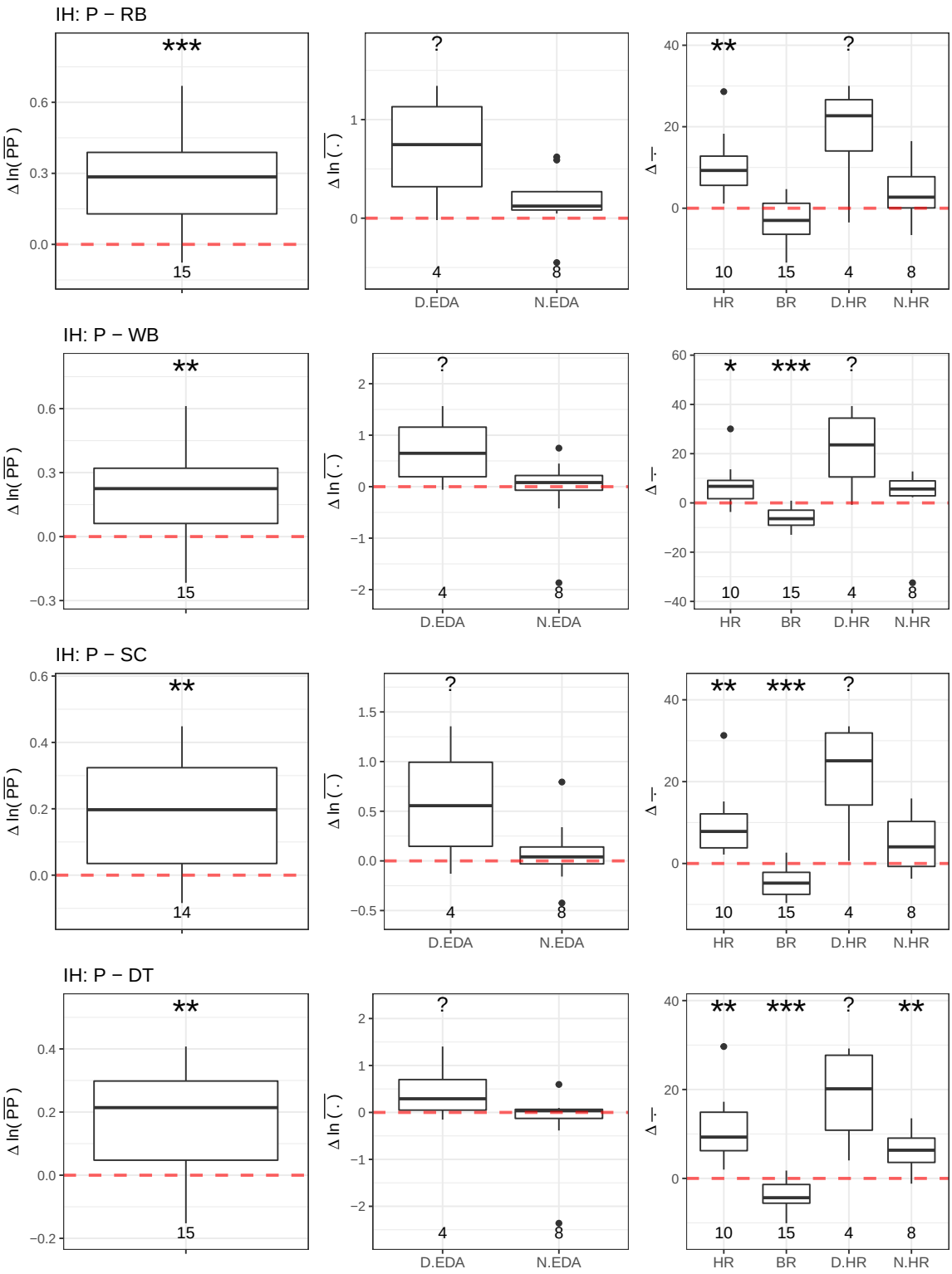
Intermittent-High (IH)

Sensor Channels per Activity

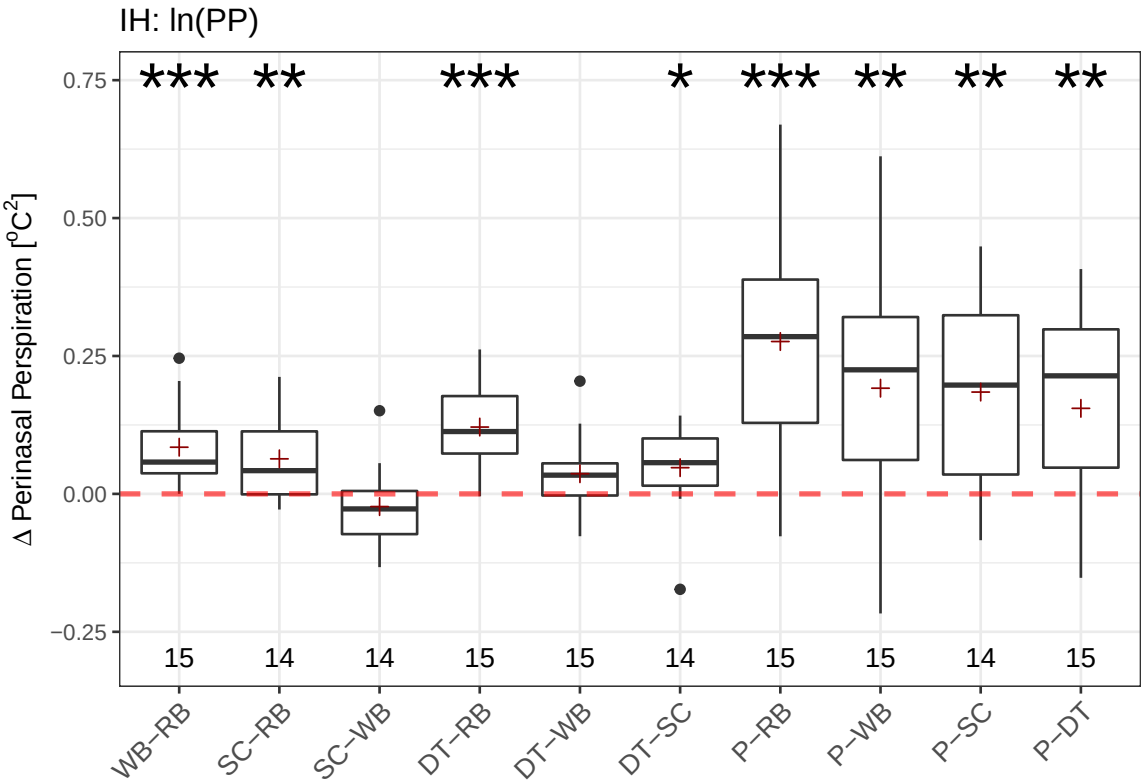



IH: SC − RB
**
?
?
0.2
0.1
0.0
0.4
0.2
0.0
−0.2
10
5
0
−5
−10
14
4
8
10
15
4
8
D.EDA
N.EDA
HR
BR
D.HR
N.HR
IH: SC − WB
?
* * ?
0.2
0.1
0.0
−0.1
0
−1
10
0
−10
−20
−30
14
4
8
10
15
4
8
D.EDA
N.EDA
HR
BR
D.HR
N.HR


IH: DT − RB
***
?
?
15
4
8
11
15
4
8
D.EDA
N.EDA
HR
BR
D.HR
N.HR
IH: DT − WB
**
**
?
15
4
8
11
15
4
8
D.EDA
N.EDA
HR
BR
D.HR
N.HR
IH: DT − SC
*
?
?
14
4
8
10
15
4
8
D.EDA
N.EDA
HR
BR
D.HR
N.HR

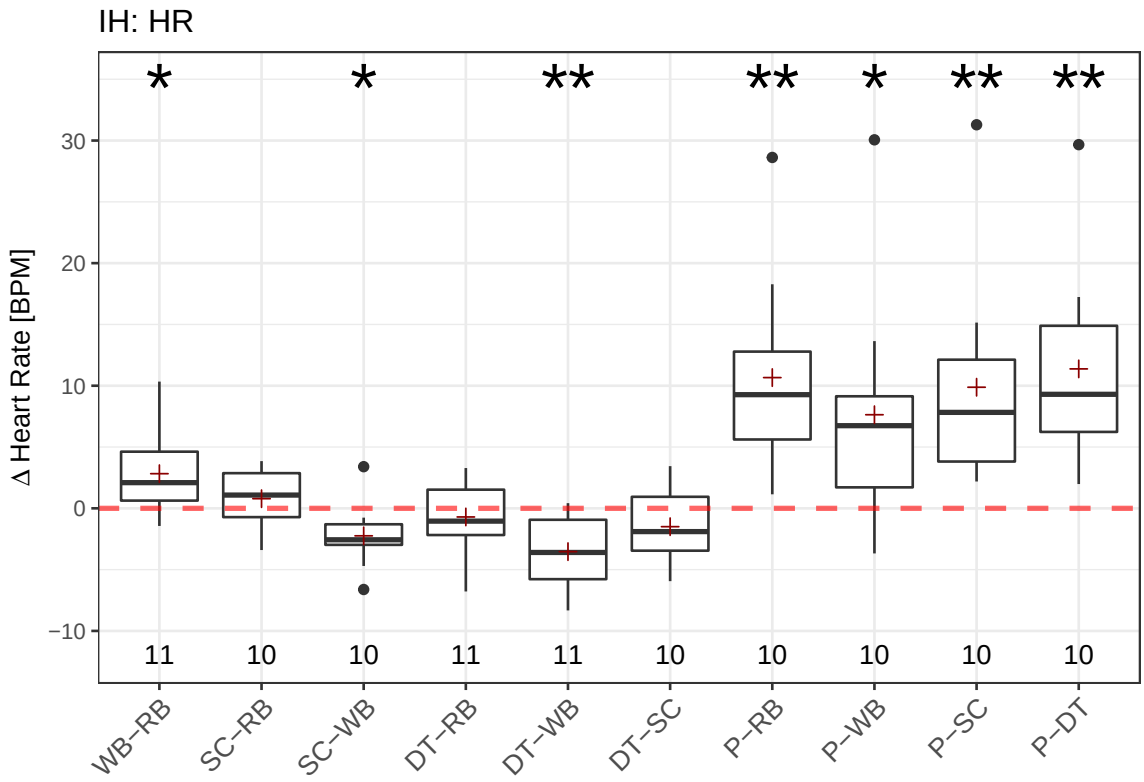

IH: P − RB
IH: P − WB
IH: P − SC
IH: P − DT
D.EDA
N.EDA
HR
BR
D.HR
N.HR

Sensor Channel across Activities



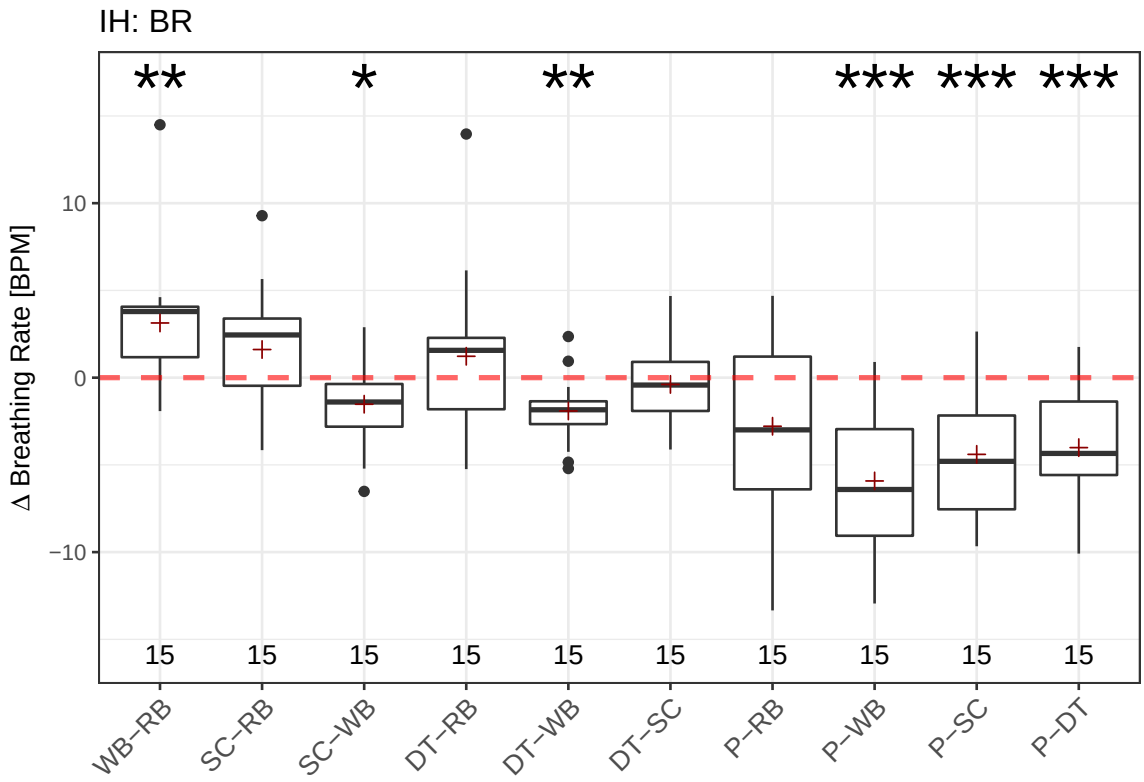

```
## In the following tests, we applied ln(PP).
##
## Writing Baseline - Resting Baseline
## Transformed t-test p = 5e-04 < 0.001  ***
##
## Stress Condition - Resting Baseline
## Transformed t-test p = 0.0096 < 0.01  **
##
## StressCondition - Writing Baseline
## Transformed t-test p = 0.2539 > 0.05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

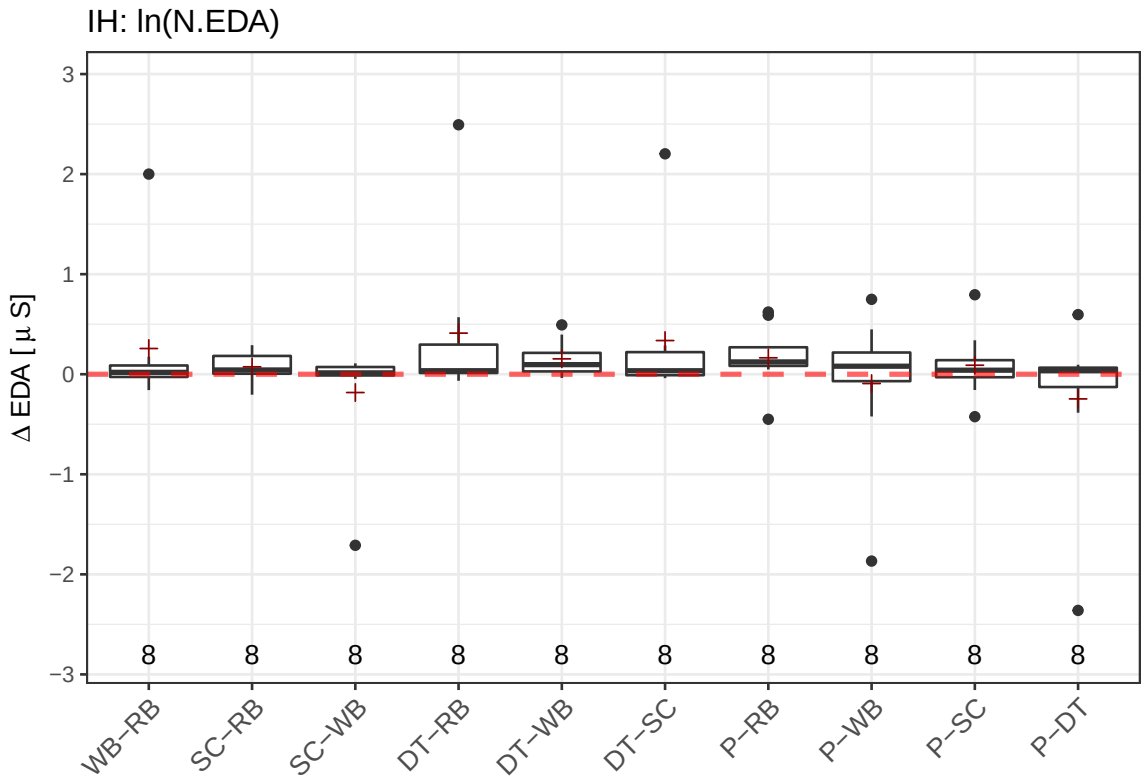
```
## t-test p = 0.0063 < 0.01  **
##
## Presentation - Dual Task
## t-test p = 0.0015 < 0.01  **
```




```
## 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  ***
```

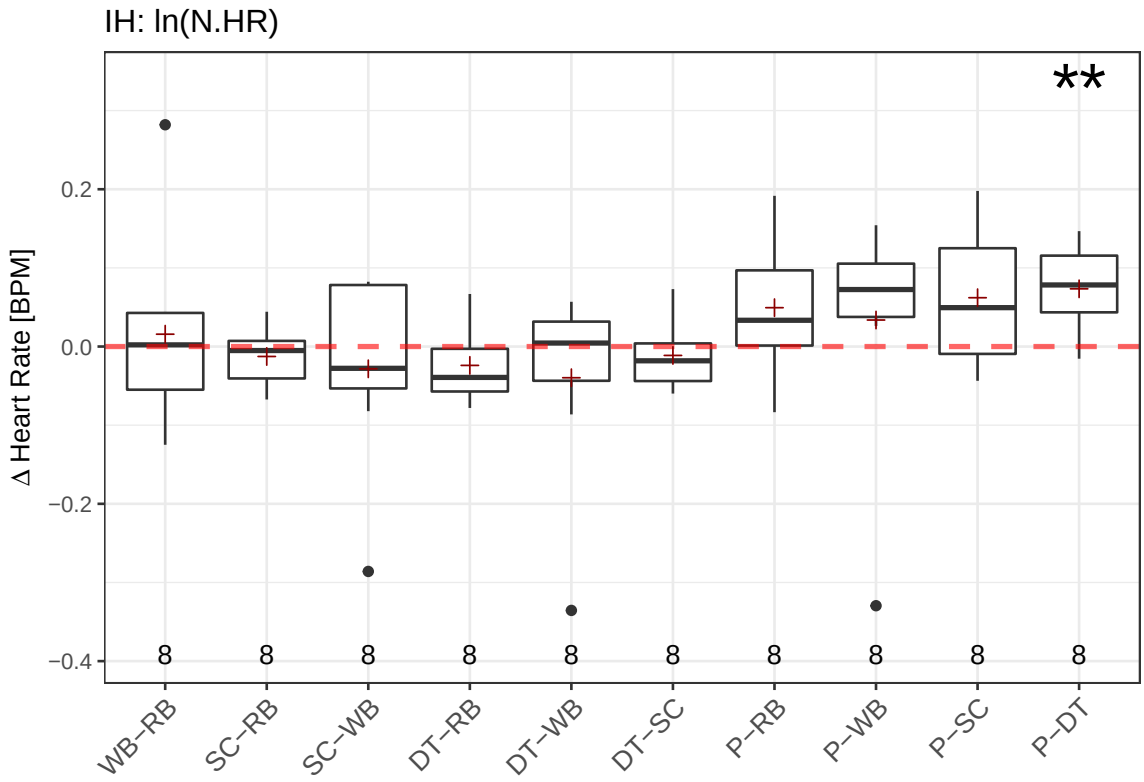
```
## IH has LESS than 7 subjects for D.EDA. Cannot continue with test.
## -----
```




```
## 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.
## -----
```

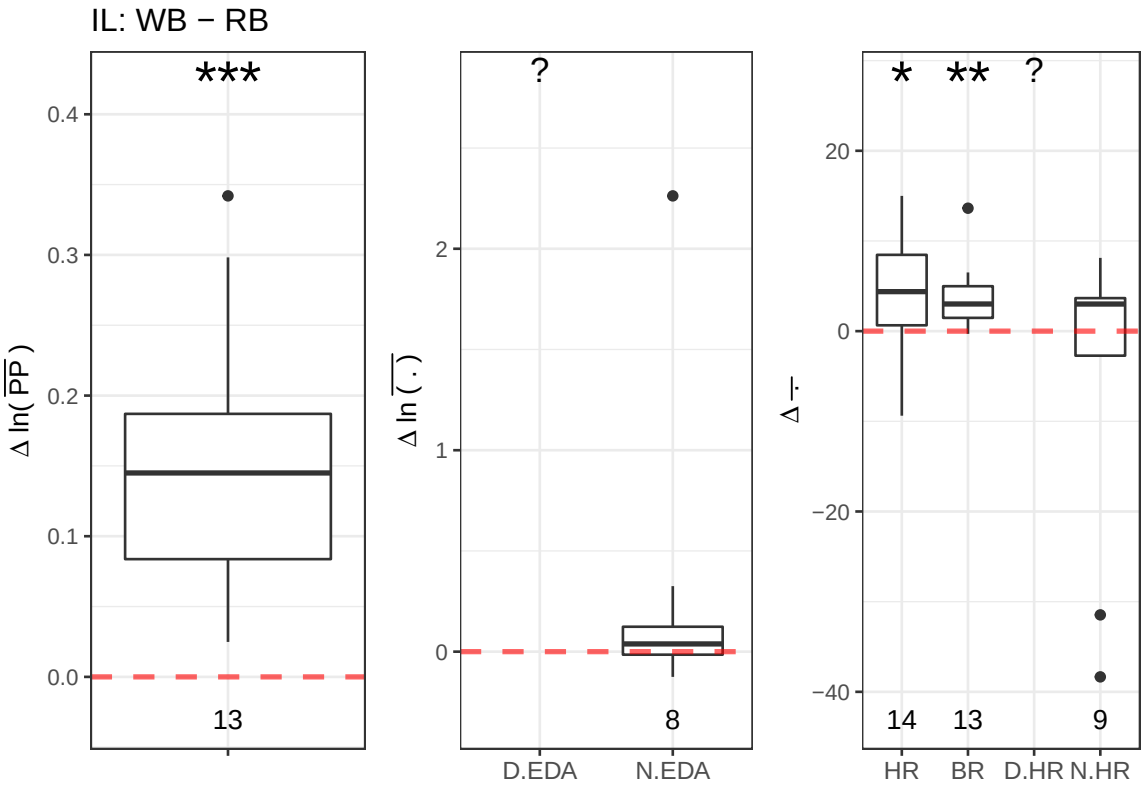


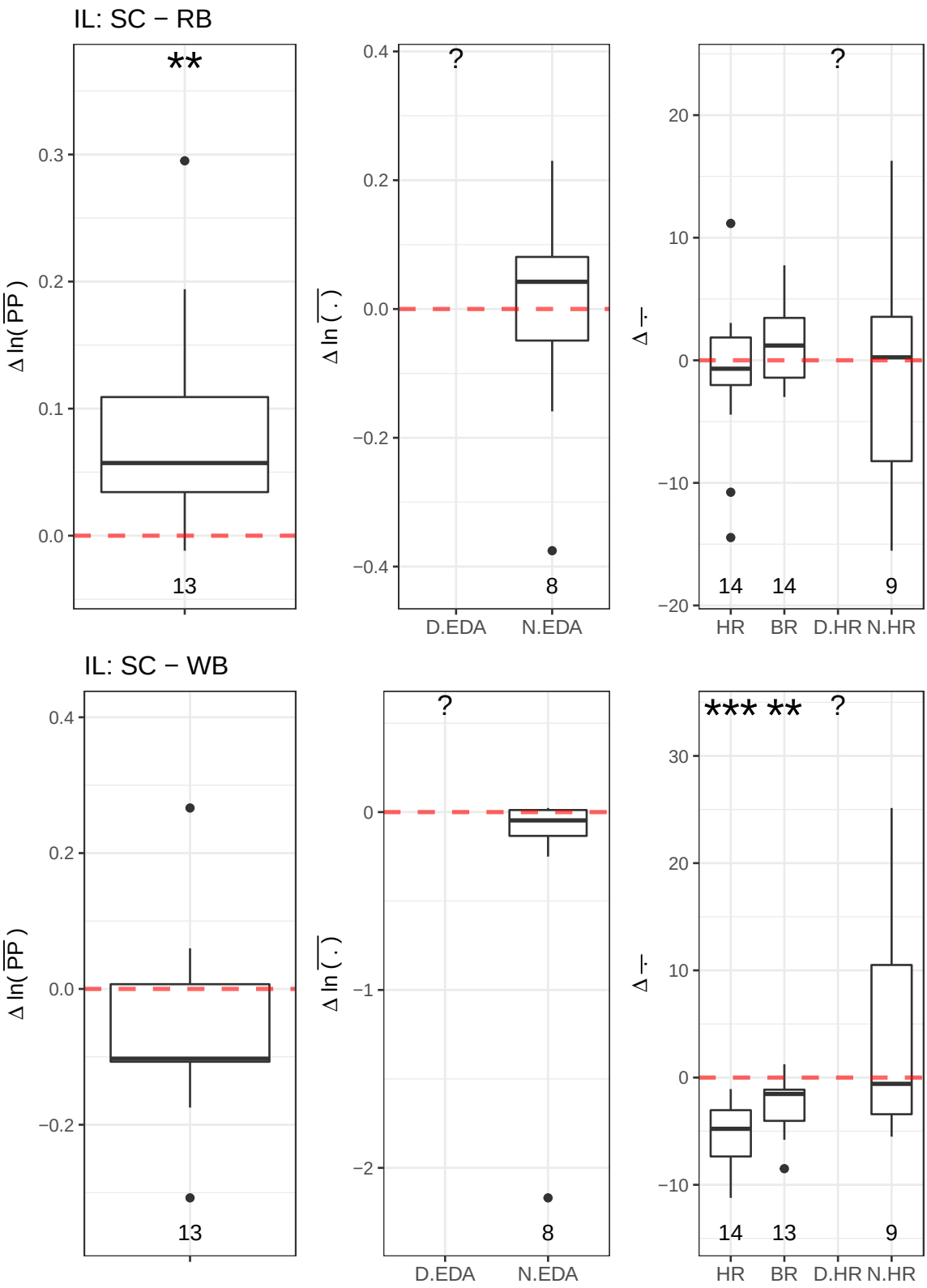

```
## Writing Baseline - Resting Baseline
## Transformed t-test p = 0.7304 > 0.05
##
## Stress Condition - Resting Baseline
## Transformed t-test p = 0.3455 > 0.05
##
## StressCondition - Writing Baseline
## Transformed t-test p = 0.5336 > 0.05
##
## Dual Task - Resting Baseline
## Transformed t-test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

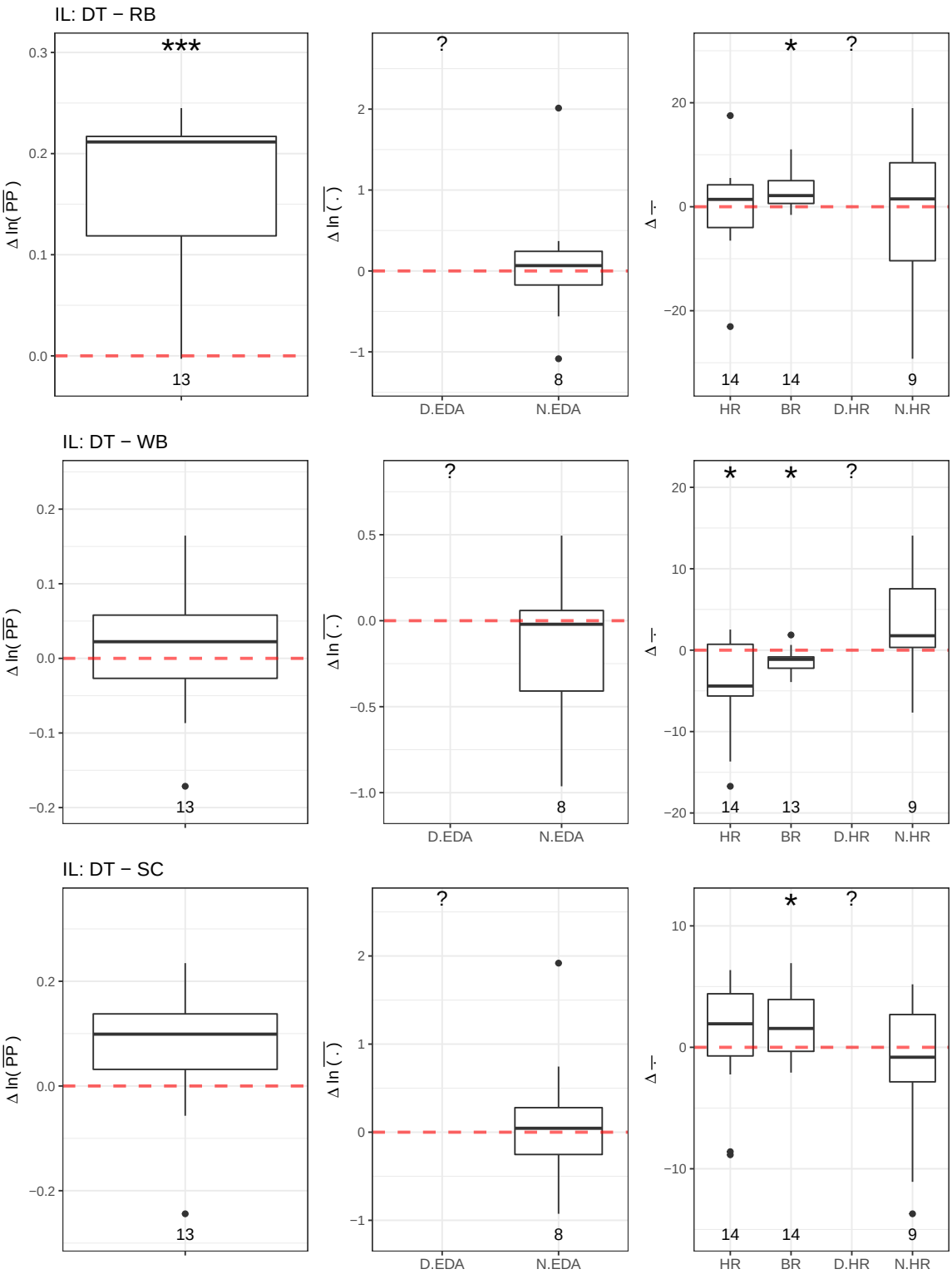
```
## Transformed t-test p = 0.1035 > 0.05
##
## Presentation - Dual Task
## Transformed t-test p = 0.0084 < 0.01  **
```

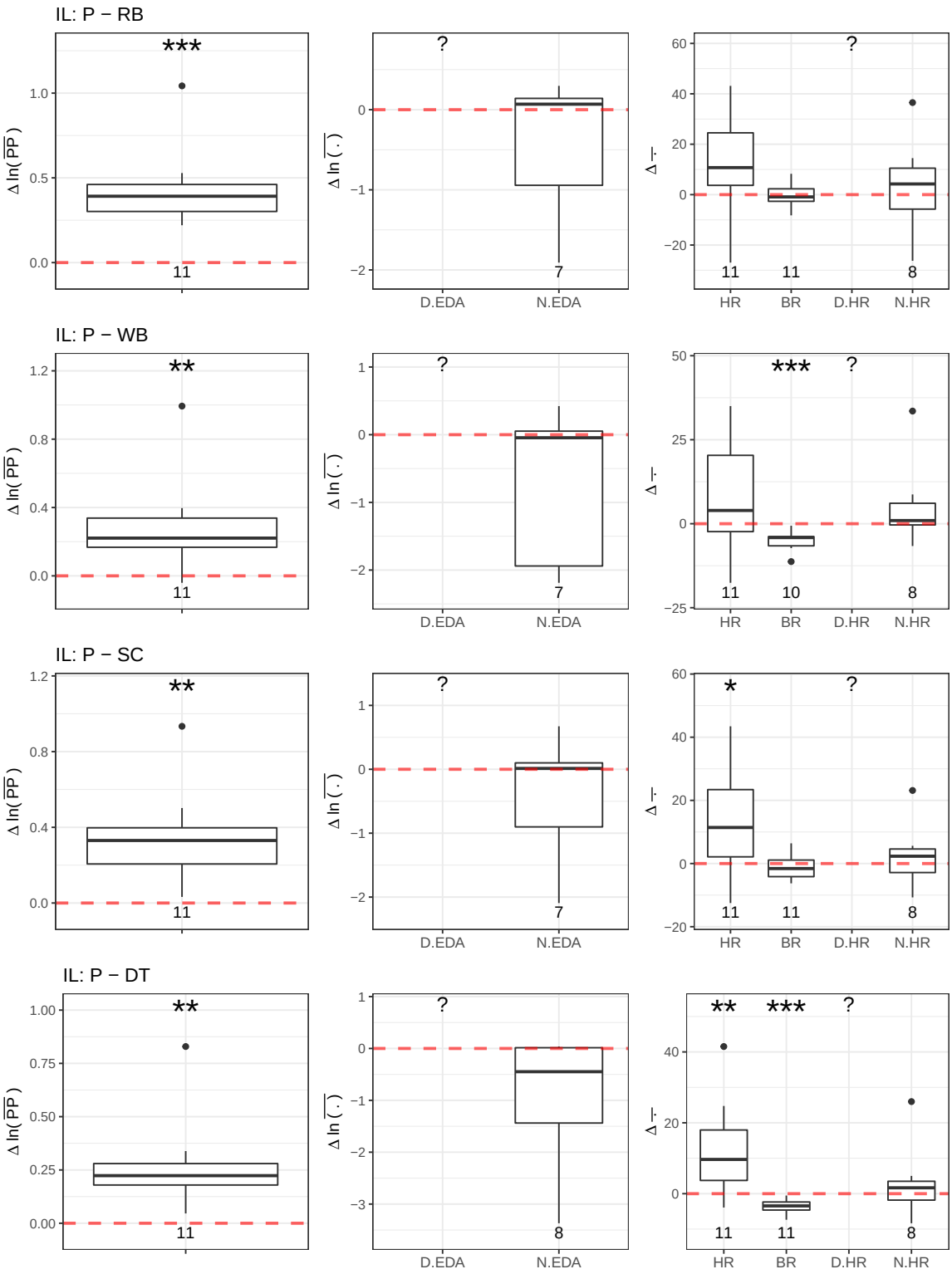
Intermittent-Low (IL)

Sensor Channels per Activity

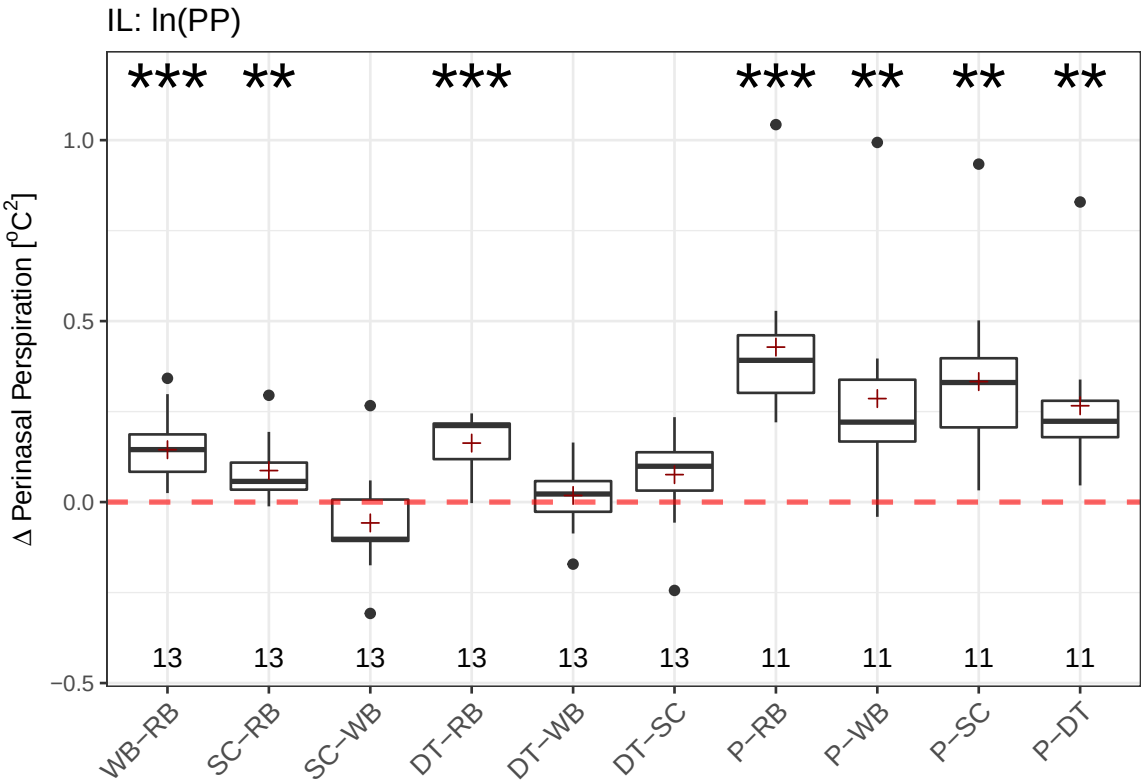



IL: SC − RB
**
?
?
Δ ln(PP)
Δ ln (.)
Δ ·-
0.3
0.2
0.1
0.0
0.4
0.2
0.0
−0.2
−0.4
20
10
0
−10
−20
13
8
14
14
9
D.EDA
N.EDA
HR
BR
D.HR
N.HR
IL: SC − WB
?
*** **
?
0.4
0.2
0.0
−0.2
0
−1
−2
30
20
10
0
−10
13
8
14
13
9


IL: DT − RB
***
?
*
?
13
8
14
14
9
D.EDA
N.EDA
HR
BR
D.HR
N.HR
IL: DT − WB
*
*
?
13
13
IL: DT − SC

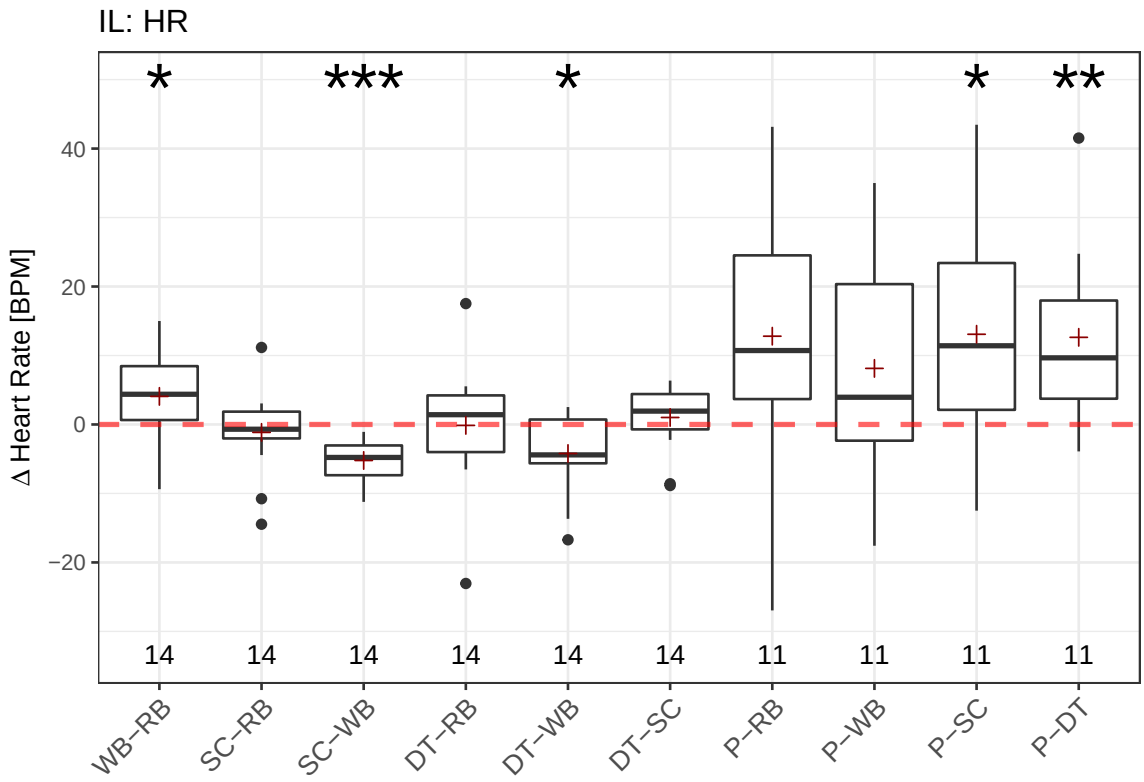

IL: P − RB
***
?
?
11
7
11
11
8
D.EDA
N.EDA
HR
BR
D.HR
N.HR
IL: P − WB
**
?
***
?
11
7
11
10
8
IL: P − SC
**
?
*
?
11
7
11
11
8
IL: P − DT
**
?
**
***
?
11
8
11
11
8

Sensor Channel across Activities



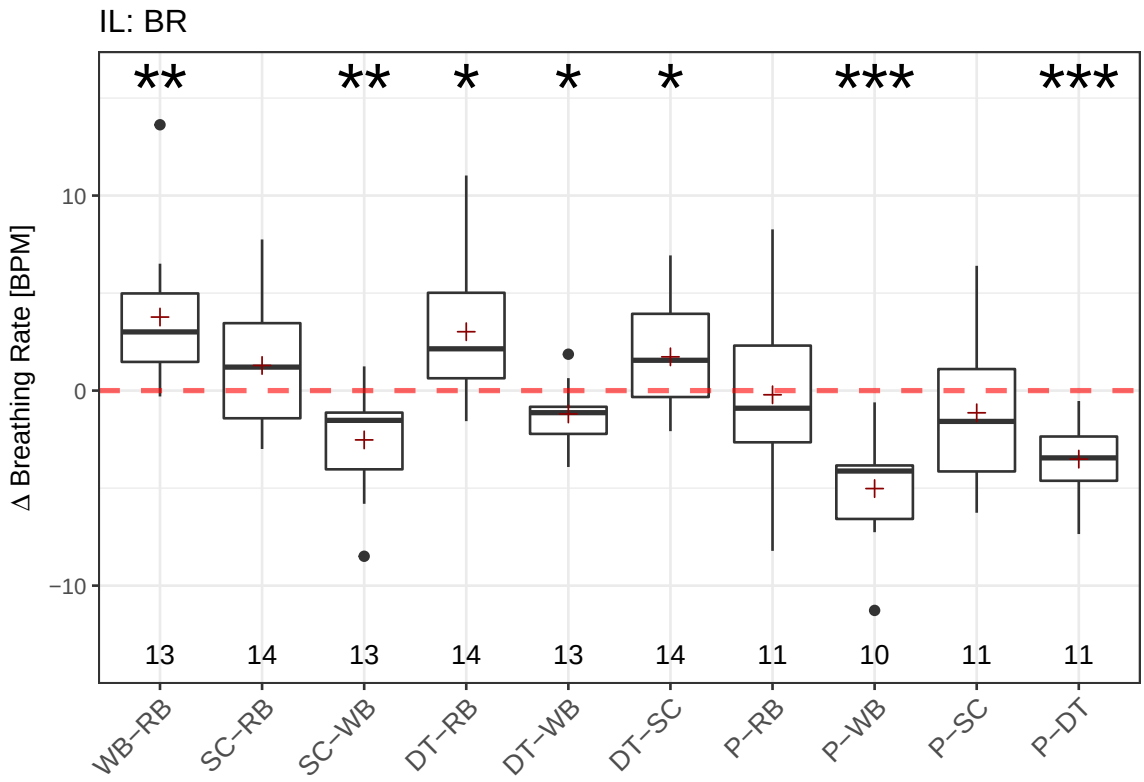

```
## Writing Baseline - Resting Baseline
## Transformed t-test p = 2e-04 < 0.001  ***
##
## Stress Condition - Resting Baseline
## Transformed t-test p = 0.0048 < 0.01  **
##
## StressCondition - Writing Baseline
## Transformed t-test p = 0.1501 > 0.05
##
## Dual Task - Resting Baseline
## Transformed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

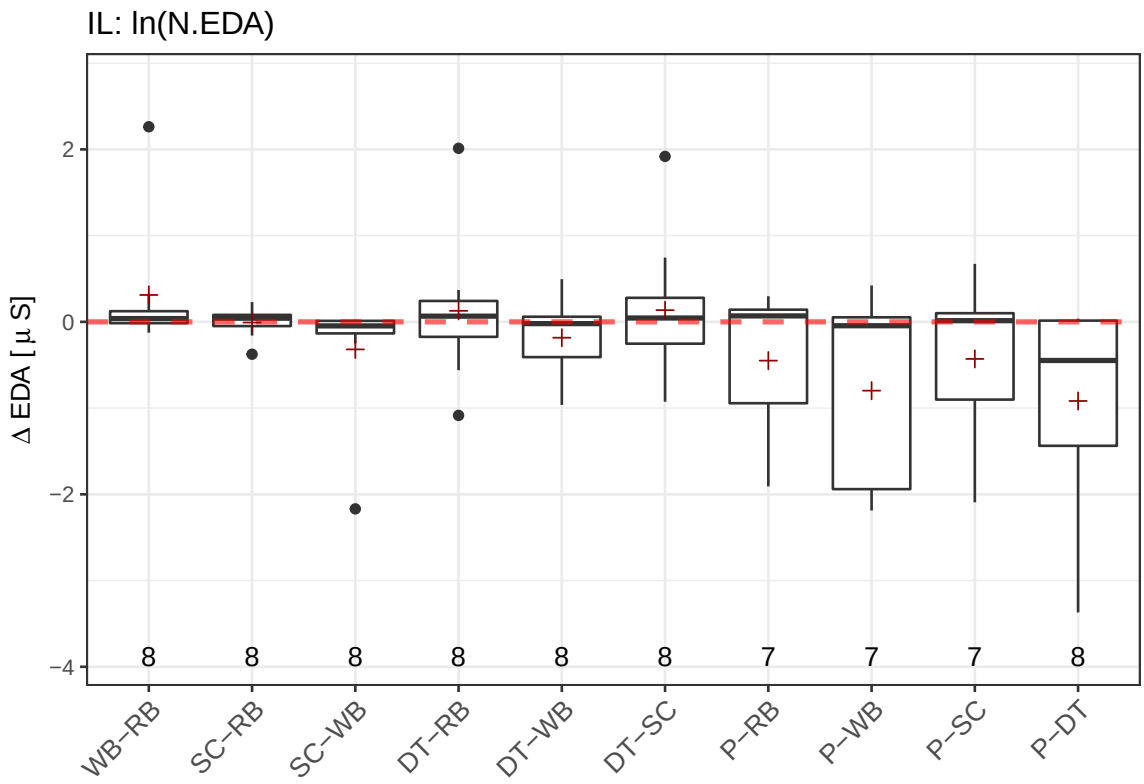
```
## t-test p = 0.0209 < 0.05  *
##
## Presentation - Dual Task
## t-test p = 0.0094 < 0.01  **
```




```
## 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  ***
```

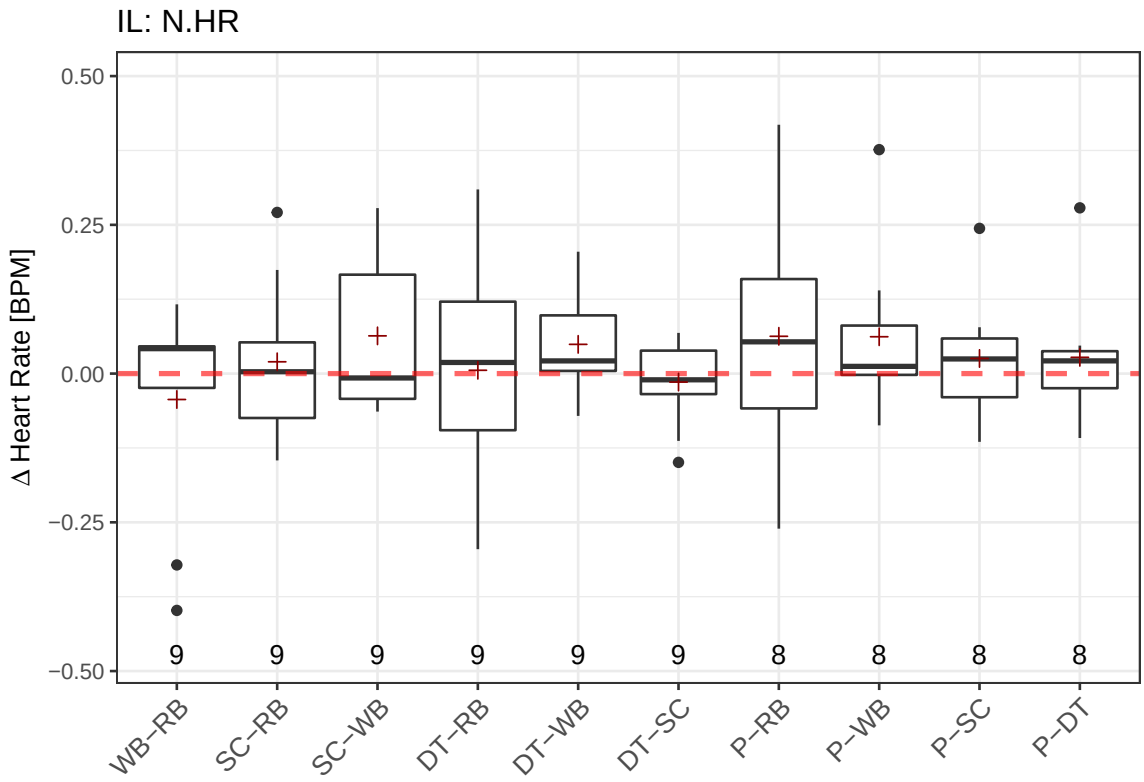
```
## IL has LESS than 7 subjects for D.EDA. Cannot continue with test.
## -----
```




```
## 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.
## -----
```

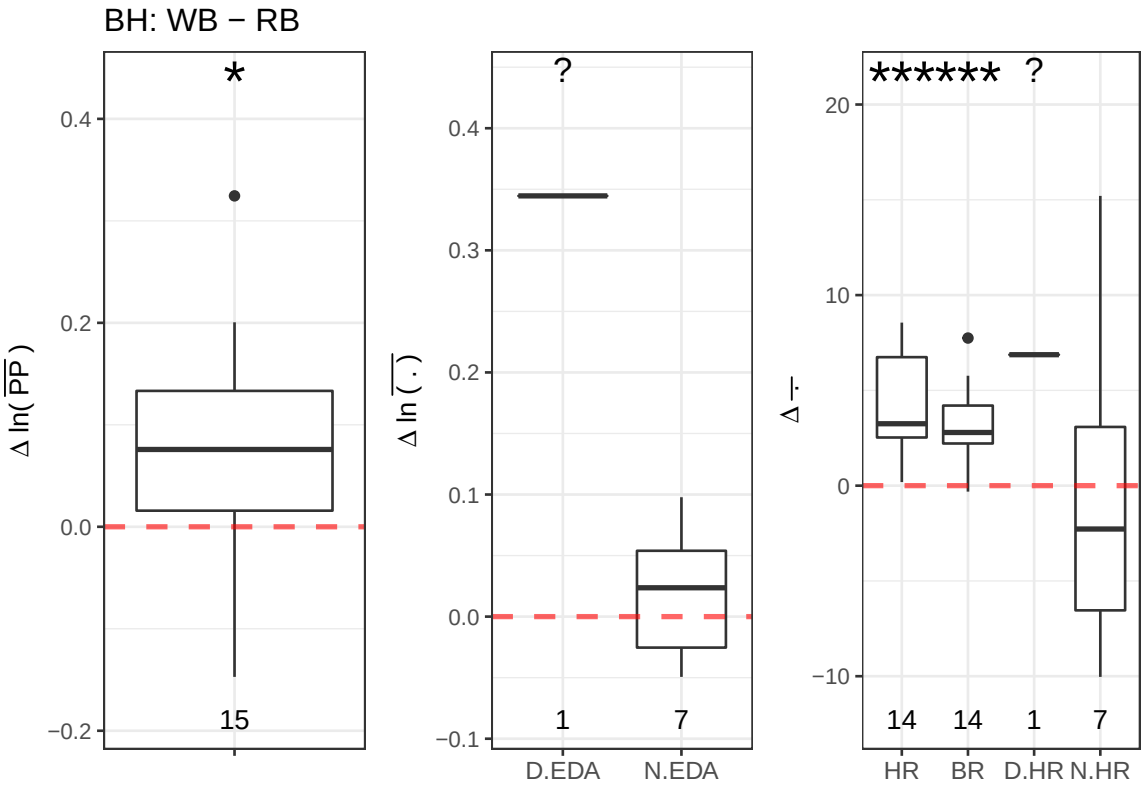


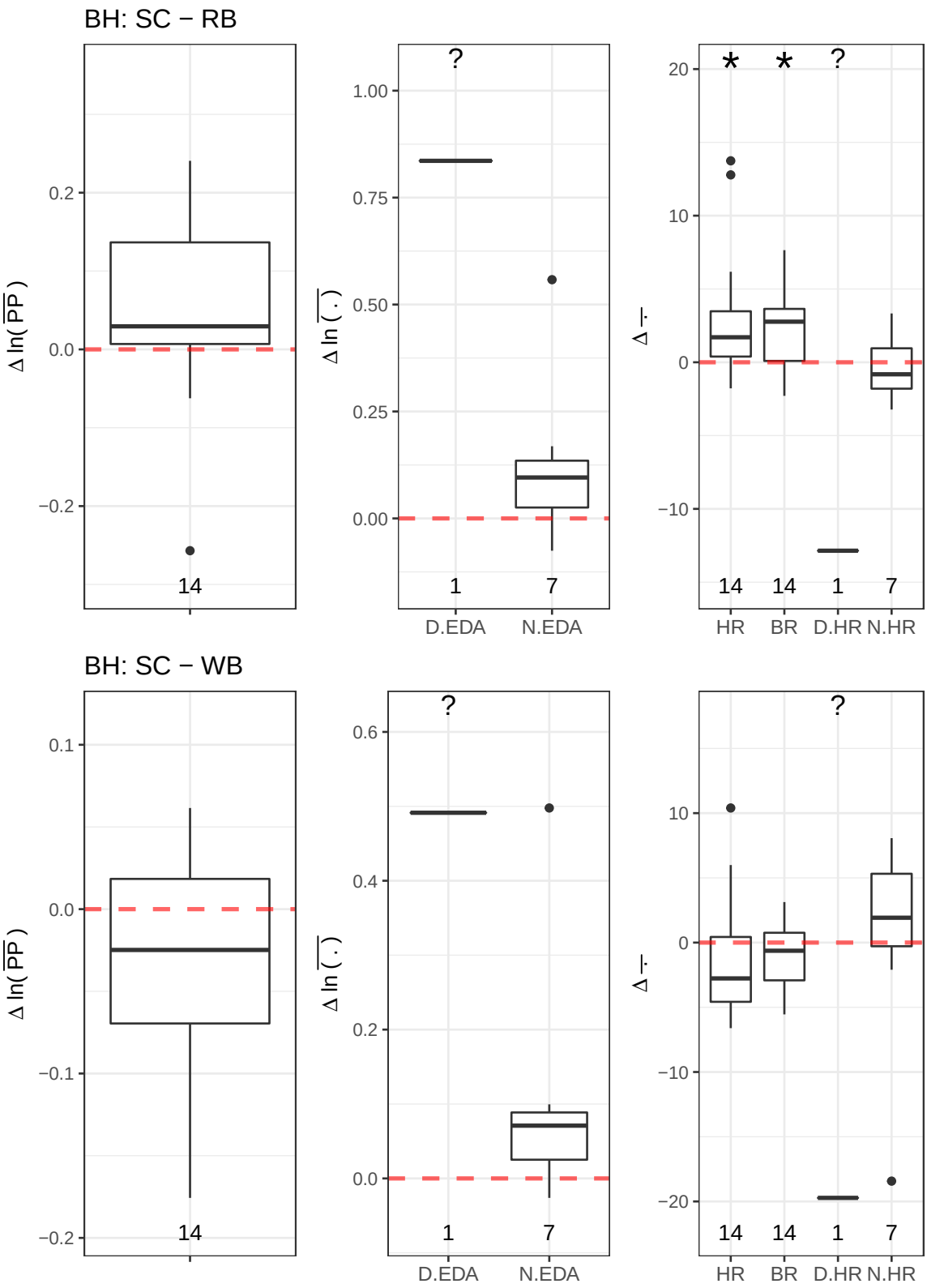

```
## Writing Baseline - Resting Baseline
## Wilcoxon p = 0.8203 > 0.05
##
## Stress Condition - Resting Baseline
## Wilcoxon p = 0.8203 > 0.05
##
## StressCondition - Writing Baseline
## Wilcoxon p = 0.4258 > 0.05
##
## Dual Task - Resting Baseline
## Wilcoxon p = 0.7344 > 0.05
##
## Dual Task - Writing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

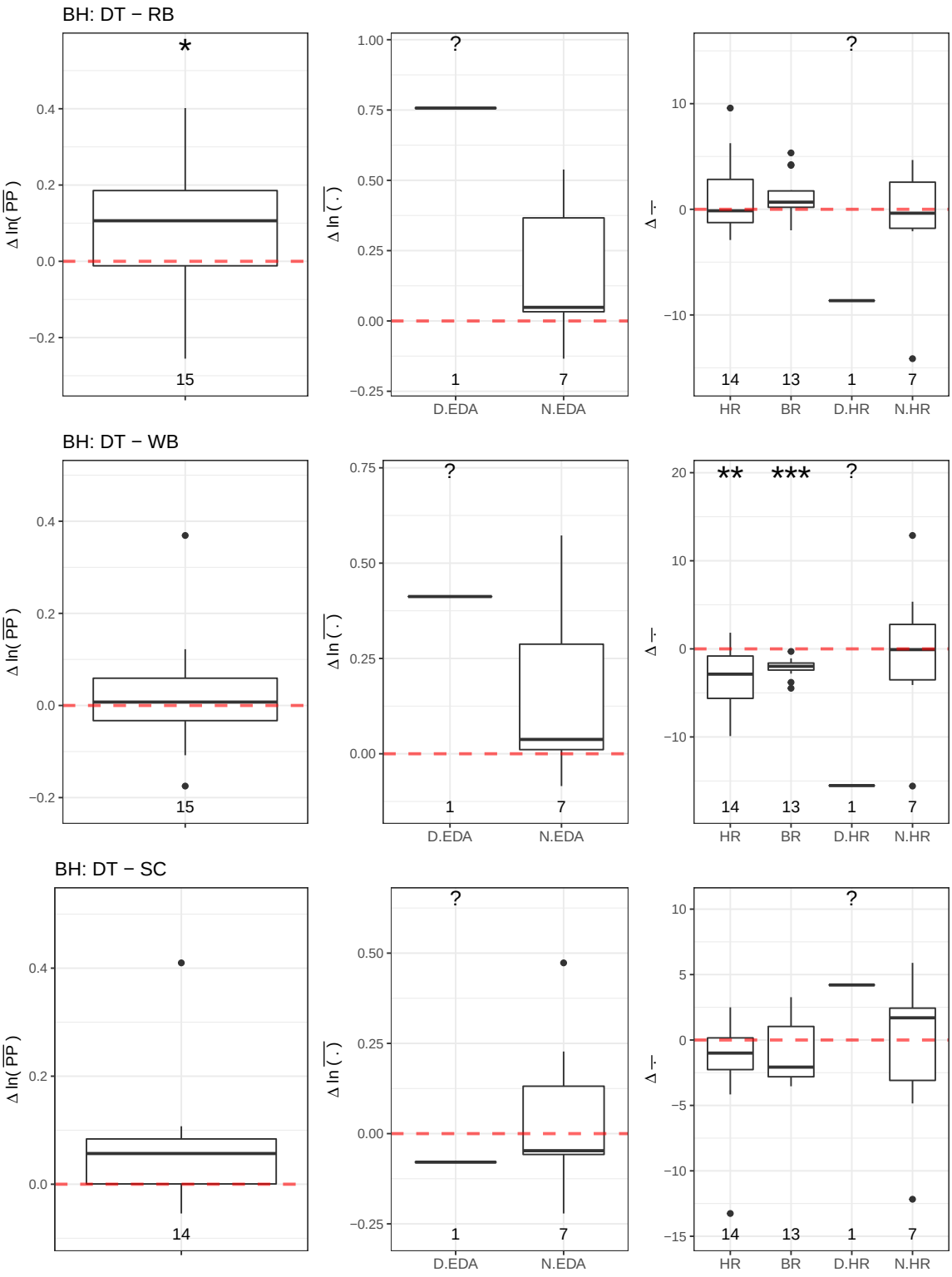
```
## Wilcoxon p = 0.7422 > 0.05
##
## Presentation - Dual Task
## Wilcoxon p = 0.7422 > 0.05
```

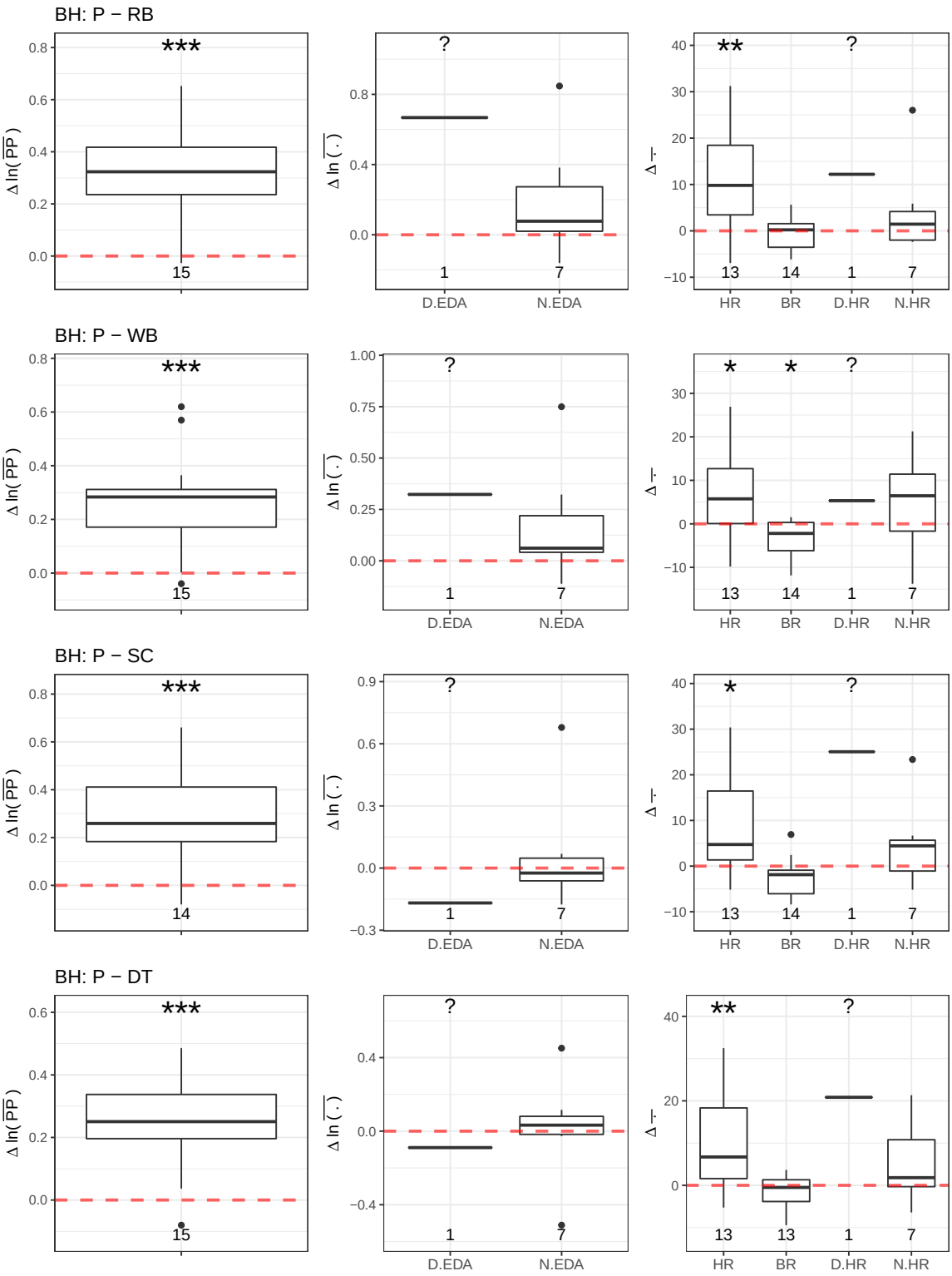
Batch-High (BH)

Sensor Channels per Activity

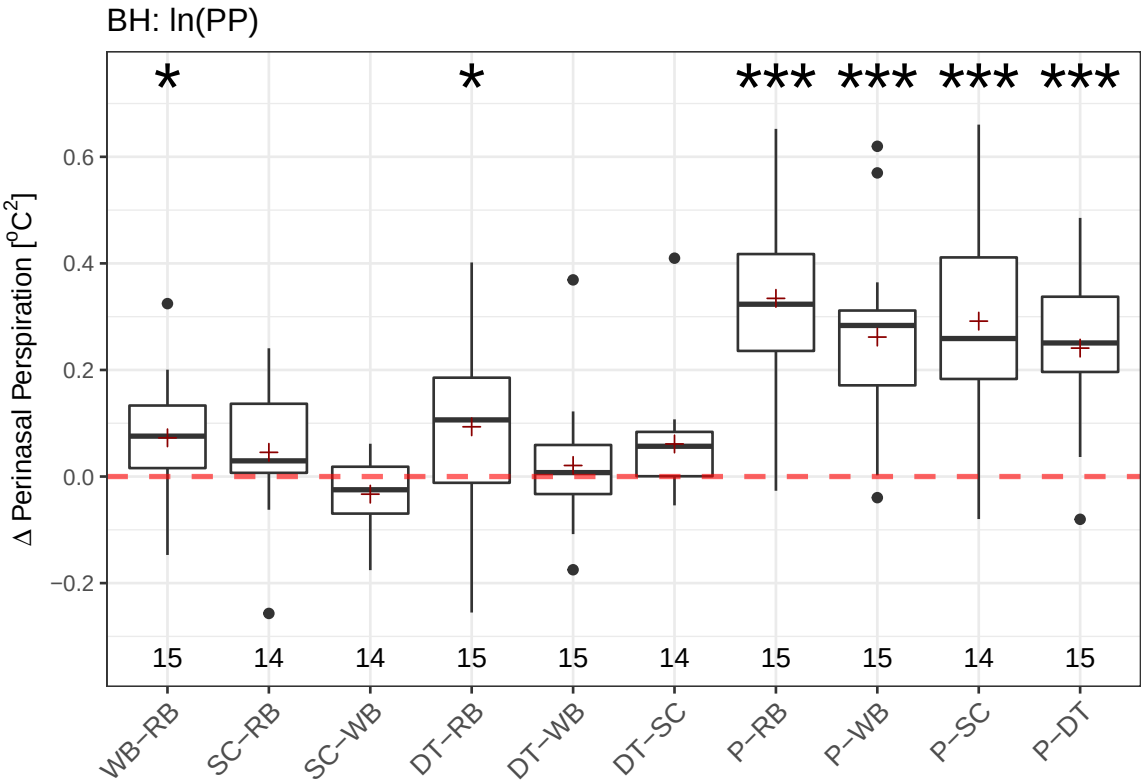



BH: SC − RB
Δ ln(PP)
0.2
0.0
−0.2
14
Δ ln (.)
1.00
0.75
0.50
0.25
0.00
?
1
7
D.EDA
N.EDA
Δ --
20
10
0
−10
* * ?
14 14 1 7
HR BR D.HR N.HR
BH: SC − WB
Δ ln(PP)
0.1
0.0
−0.1
−0.2
14
Δ ln (.)
0.6
0.4
0.2
0.0
?
1
7
D.EDA
N.EDA
Δ --
10
0
−10
−20
?
14 14 1 7
HR BR D.HR N.HR


BH: DT − RB
BH: DT − WB
BH: DT − SC
Δ ln(PP)
Δ ln (.)
Δ –
*
?
**
***
15
14
1
7
D.EDA
N.EDA
HR
BR
D.HR
N.HR

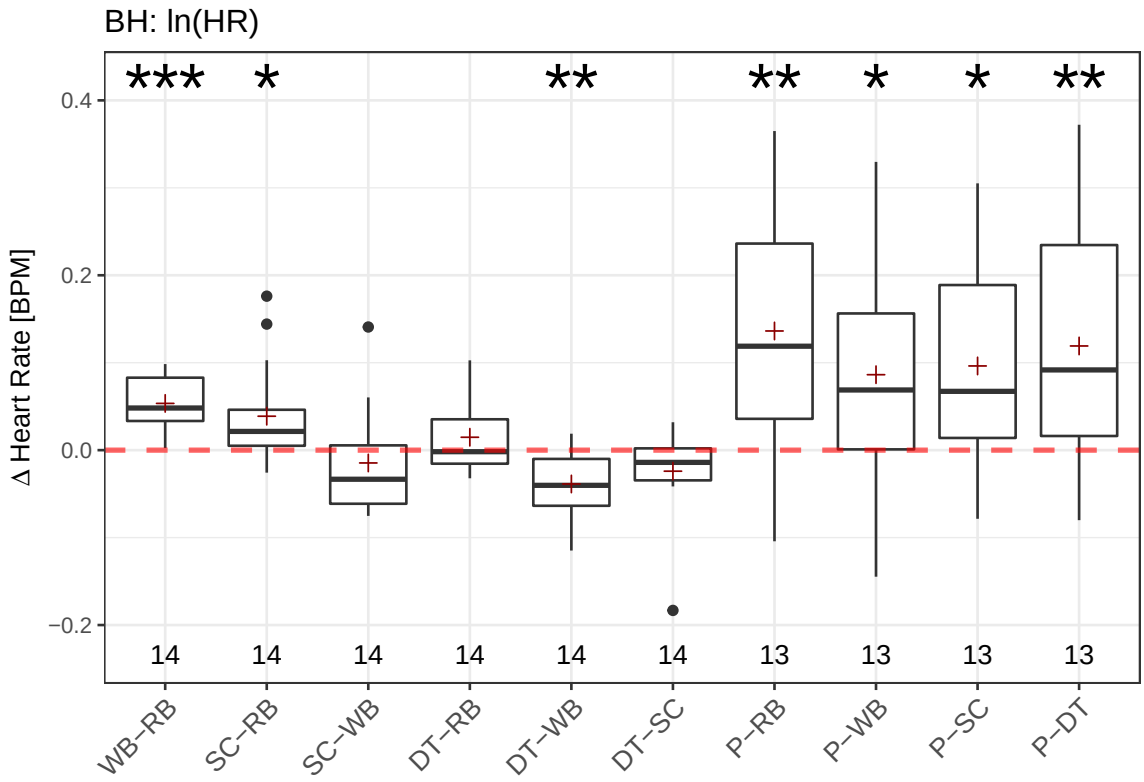

BH: P − RB
BH: P − WB
BH: P − SC
BH: P − DT
Δ ln(PP)
Δ ln(.)
Δ –.–
***
**
*
?
15
14
1
7
D.EDA
N.EDA
HR
BR
D.HR
N.HR
13

Sensor Channel across Activities



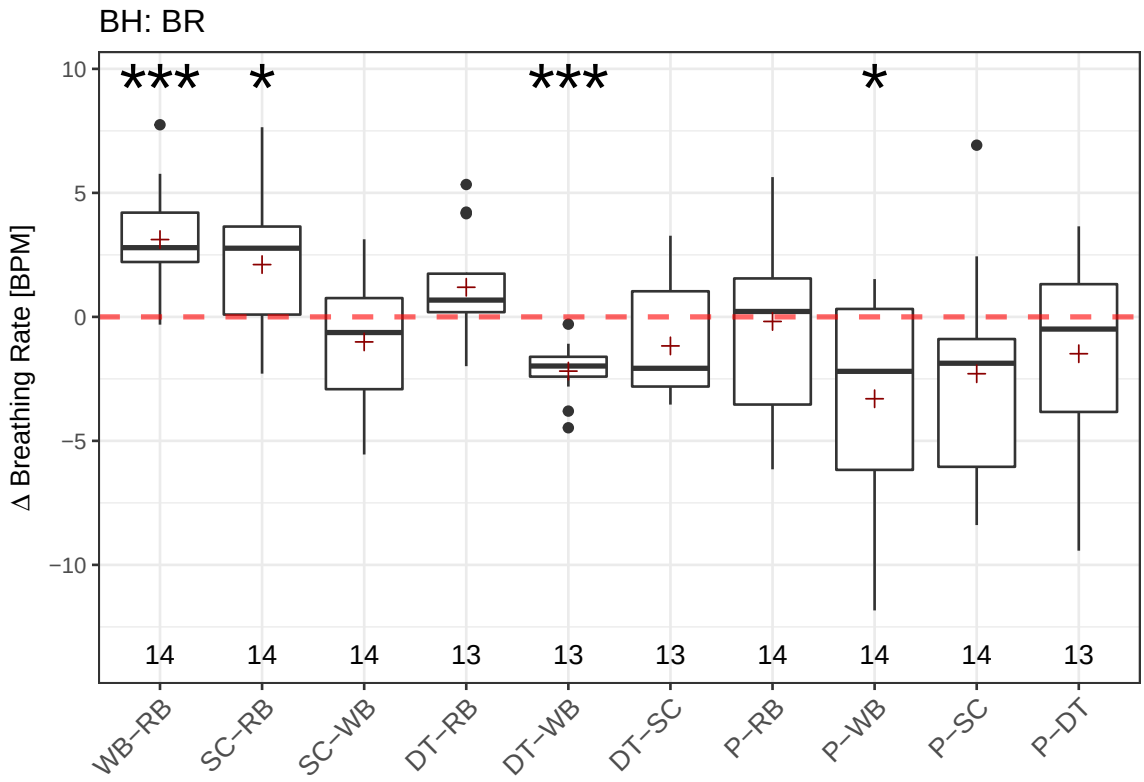

```
## Writing Baseline - Resting Baseline
## Transformed t-test p = 0.0219 < 0.05  *
##
## Stress Condition - Resting Baseline
## Transformed t-test p = 0.1778 > 0.05
##
## StressCondition - Writing Baseline
## Transformed t-test p = 0.0974 > 0.05
##
## Dual Task - Resting Baseline
## Transformed t-test 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
```

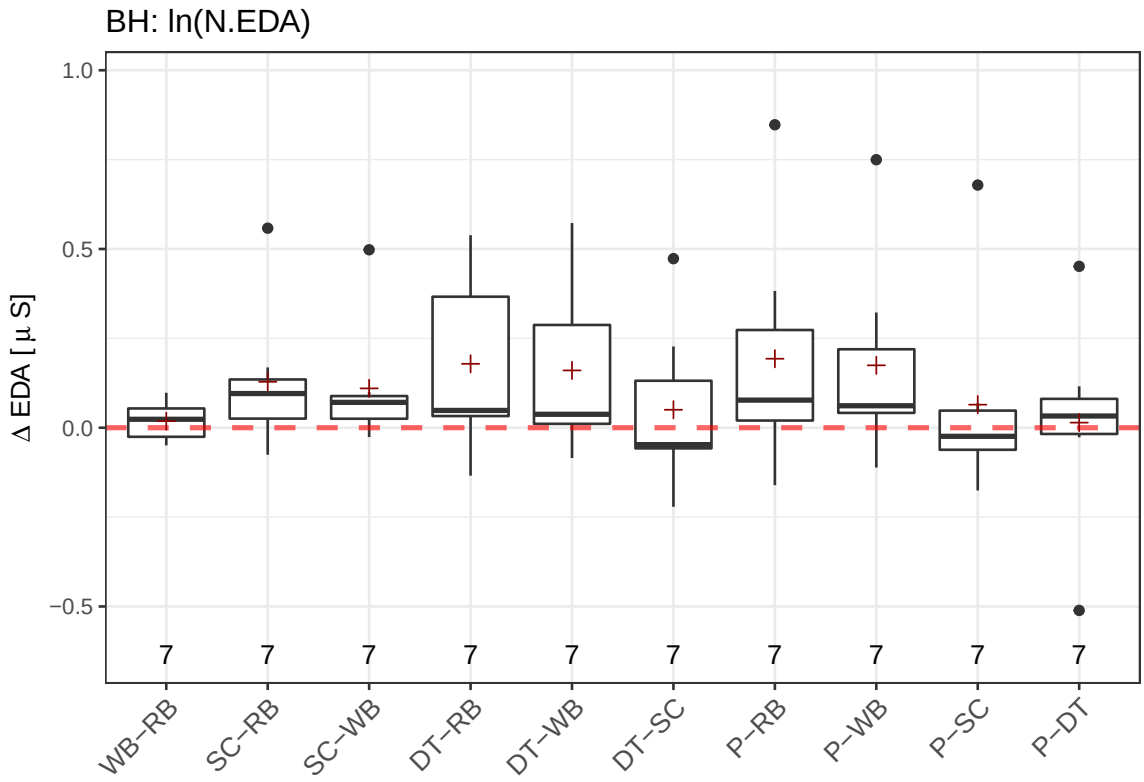
```
## Transformed t-test p = 0.0162 < 0.05  *
##
## Presentation - Dual Task
## Transformed t-test p = 0.0095 < 0.01  **
```




```
## 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
```

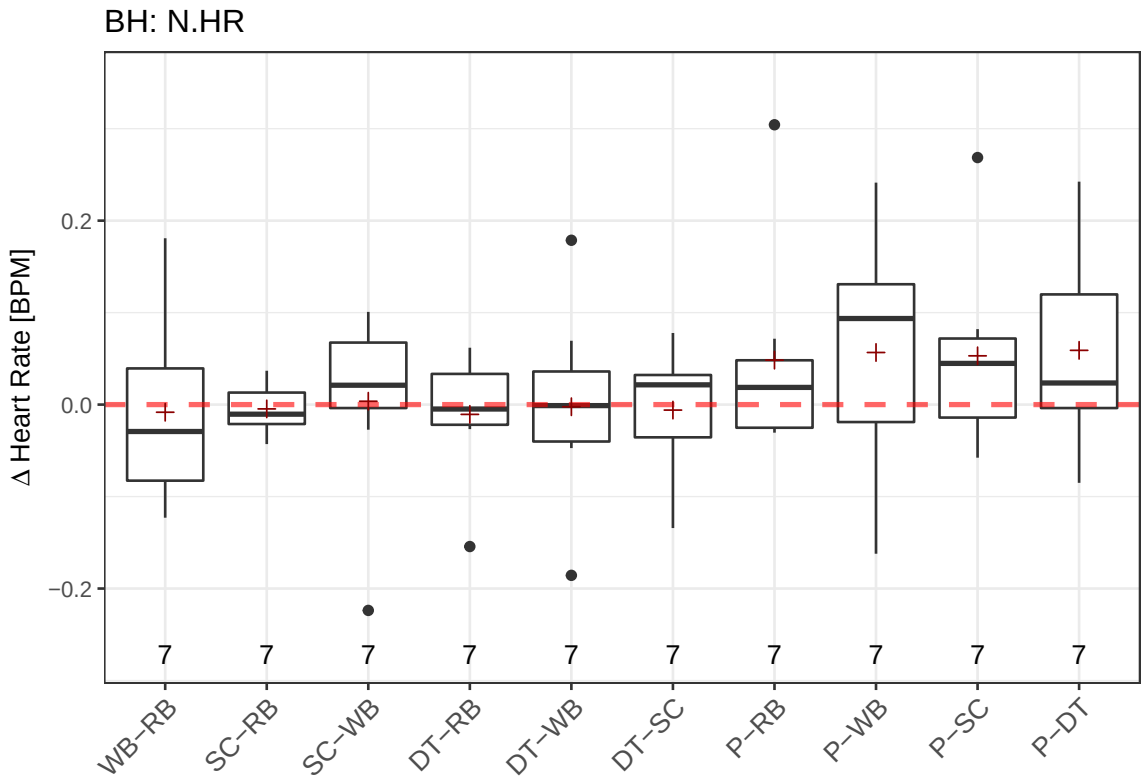
```
## BH has LESS than 7 subjects for D.EDA. Cannot continue with test.
## -----
```




```
## 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.
## -----
```

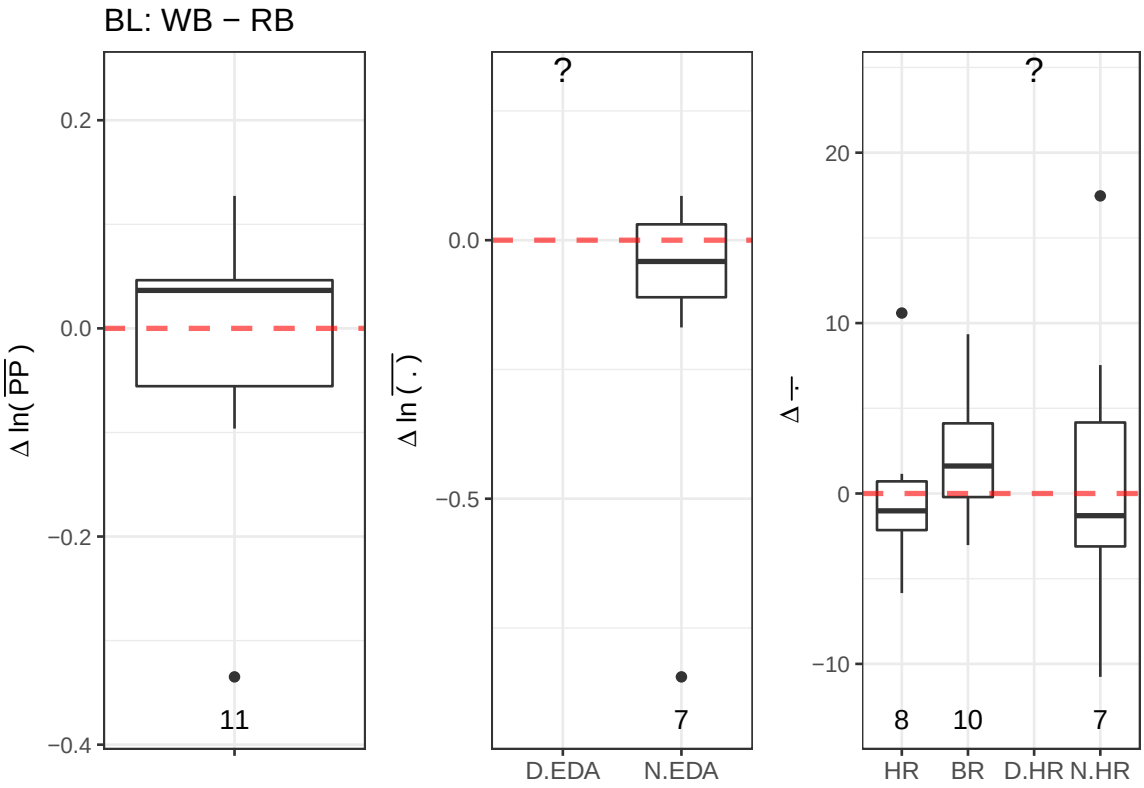


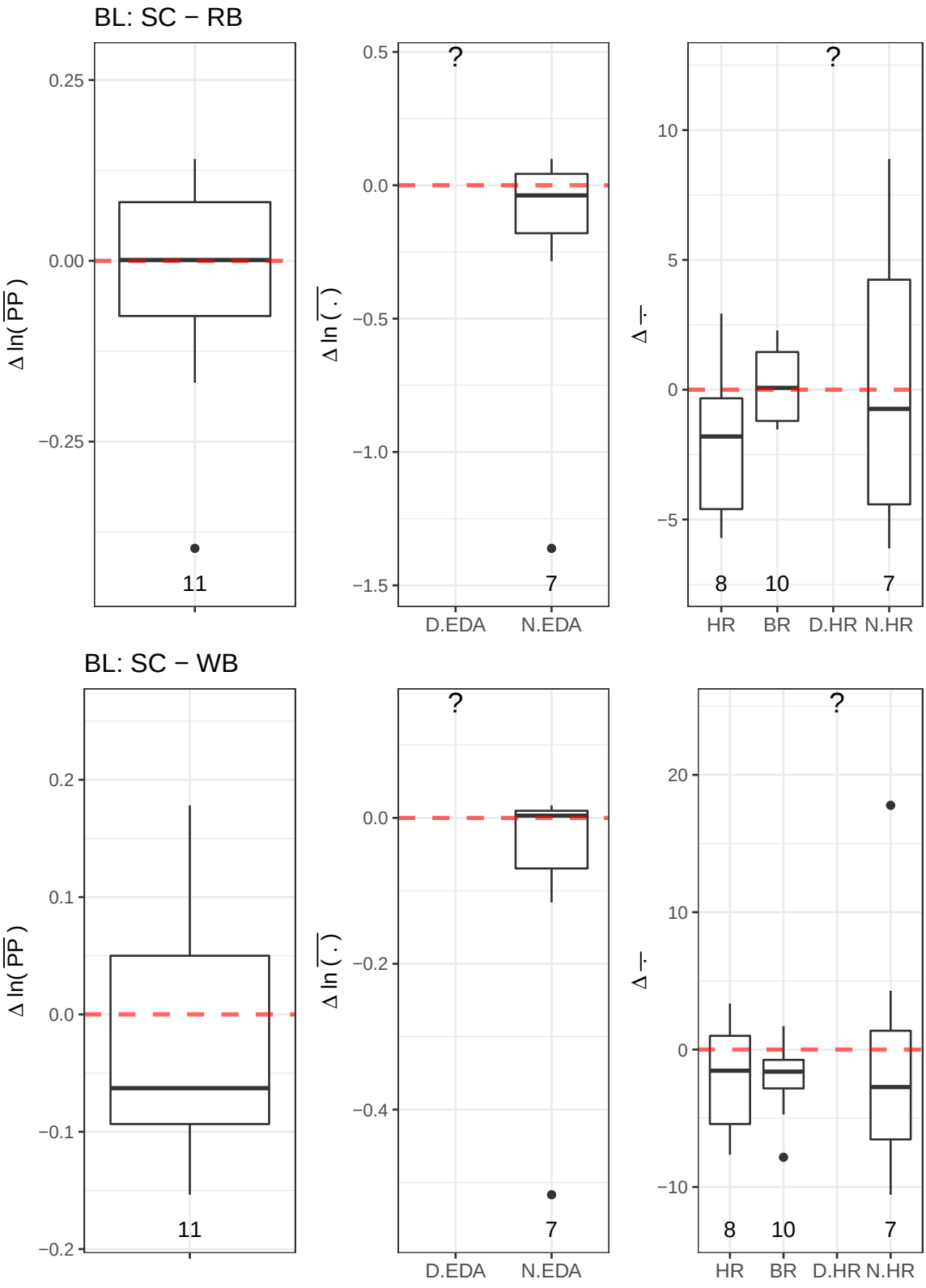

```
## Writing Baseline - Resting Baseline
## Wilcoxon p = 0.8125 > 0.05
##
## Stress Condition - Resting Baseline
## Wilcoxon p = 0.6875 > 0.05
##
## StressCondition - Writing Baseline
## Wilcoxon p = 0.5781 > 0.05
##
## Dual Task - Resting Baseline
## Wilcoxon p = 0.9375 > 0.05
##
## Dual Task - Writing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

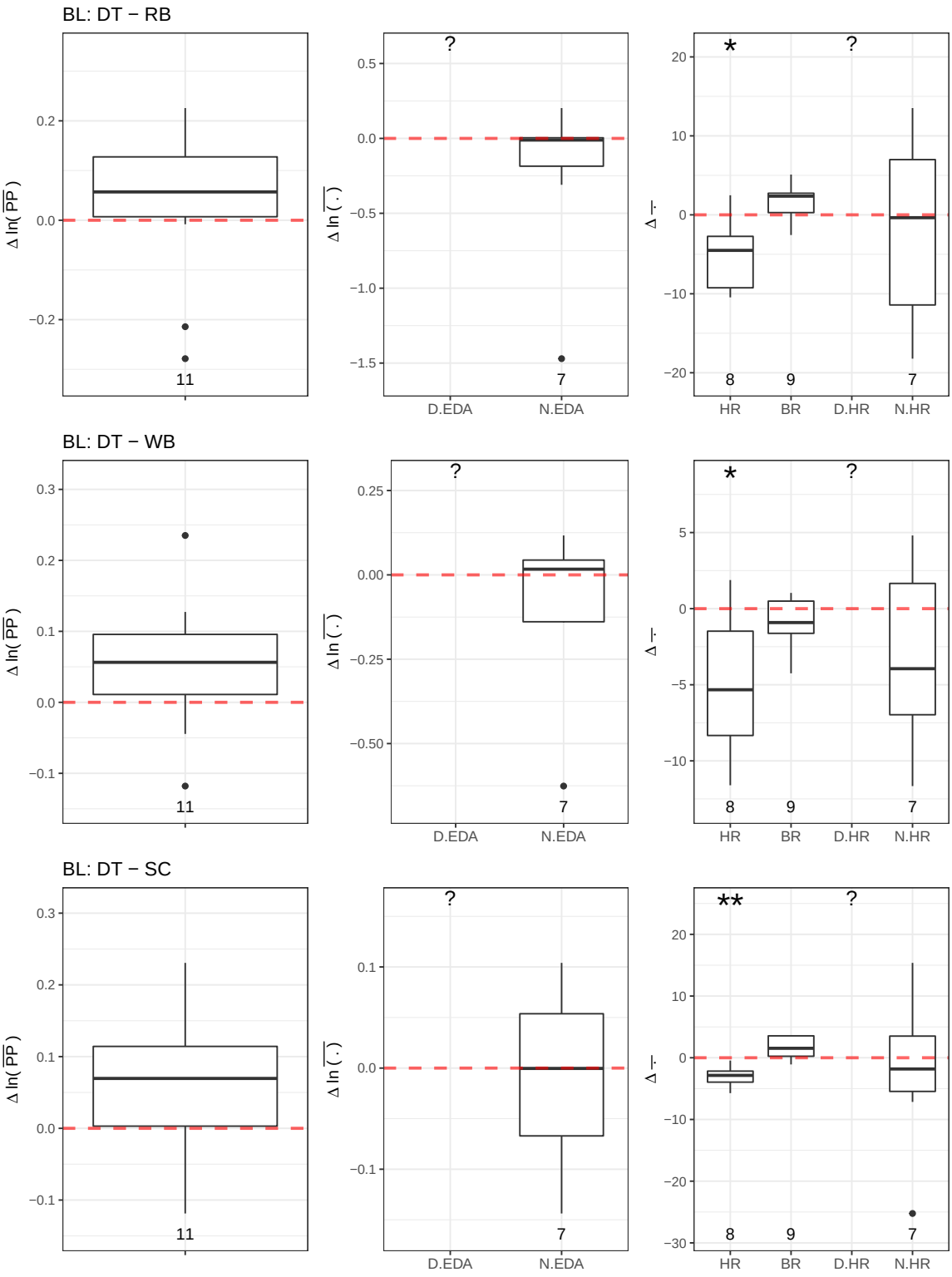
```
## Wilcoxon p = 0.2969 > 0.05
##
## Presentation - Dual Task
## Wilcoxon p = 0.375 > 0.05
```

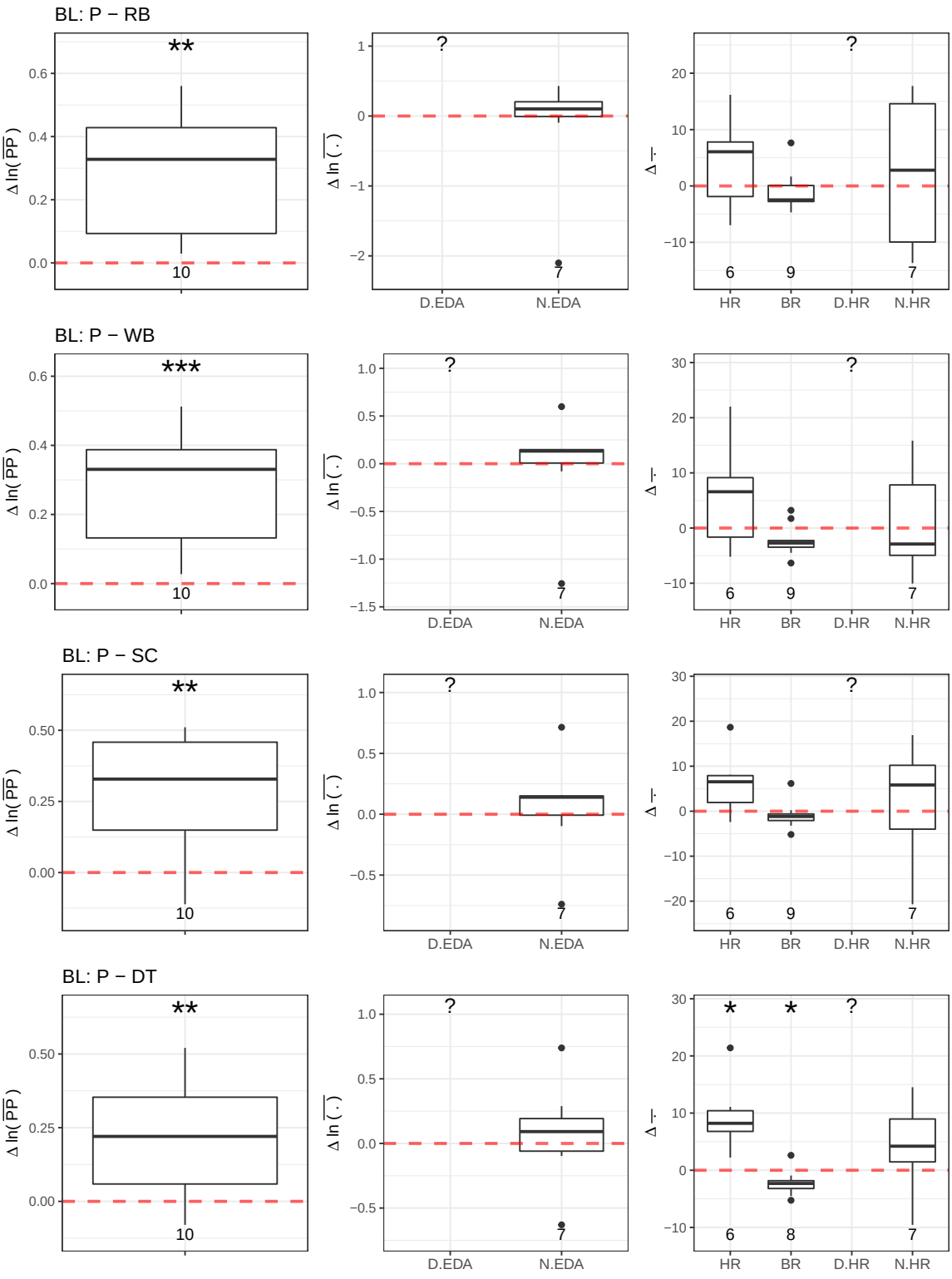
Batch-Low (BL)

Sensor Channels per Activity

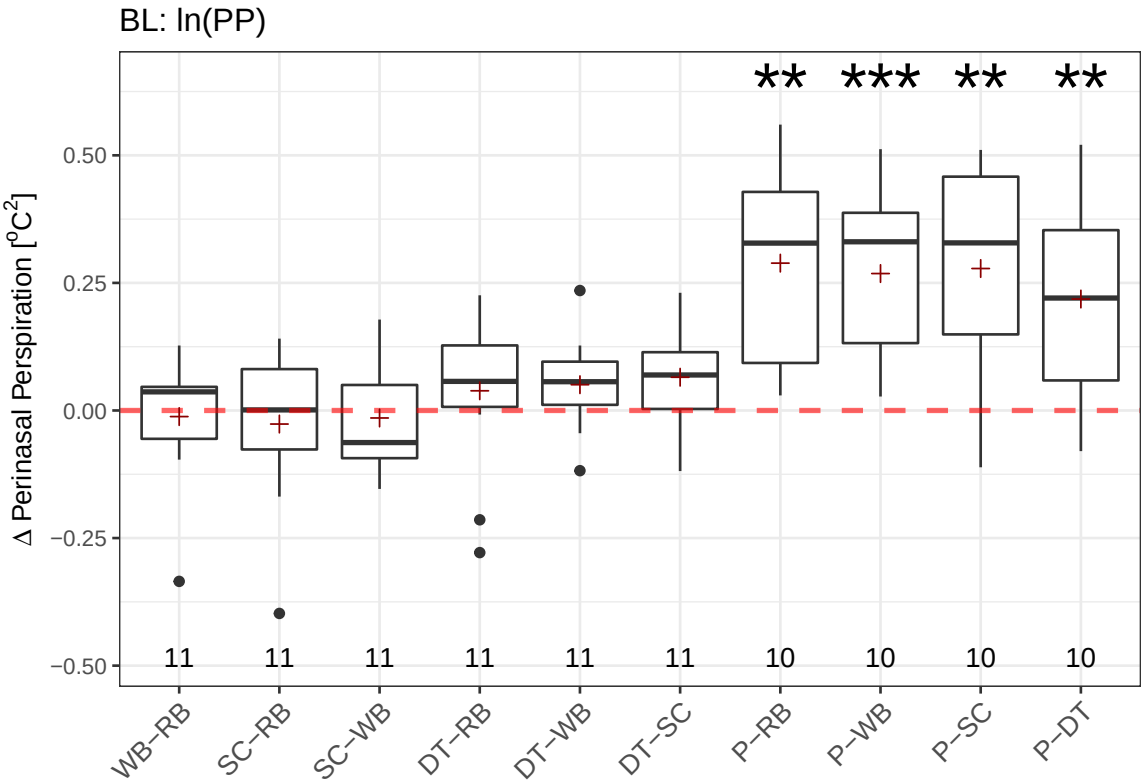



BL: SC − RB
Δ ln(PP)
0.25
0.00
−0.25
11
Δ ln (.)
0.5
0.0
−0.5
−1.0
−1.5
?
7
D.EDA
N.EDA
Δ ⋅⋅
10
5
0
−5
?
8
10
7
HR
BR
D.HR
N.HR
BL: SC − WB
Δ ln(PP)
0.2
0.1
0.0
−0.1
−0.2
11
Δ ln (.)
0.0
−0.2
−0.4
?
7
D.EDA
N.EDA
Δ ⋅⋅
20
10
0
−10
?
8
10
7
HR
BR
D.HR
N.HR


BL: DT − RB
BL: DT − WB
BL: DT − SC
Δ ln(PP)
Δ ln (.)
Δ –
11
7
8
9
D.EDA
N.EDA
HR
BR
D.HR
N.HR
?
*
**

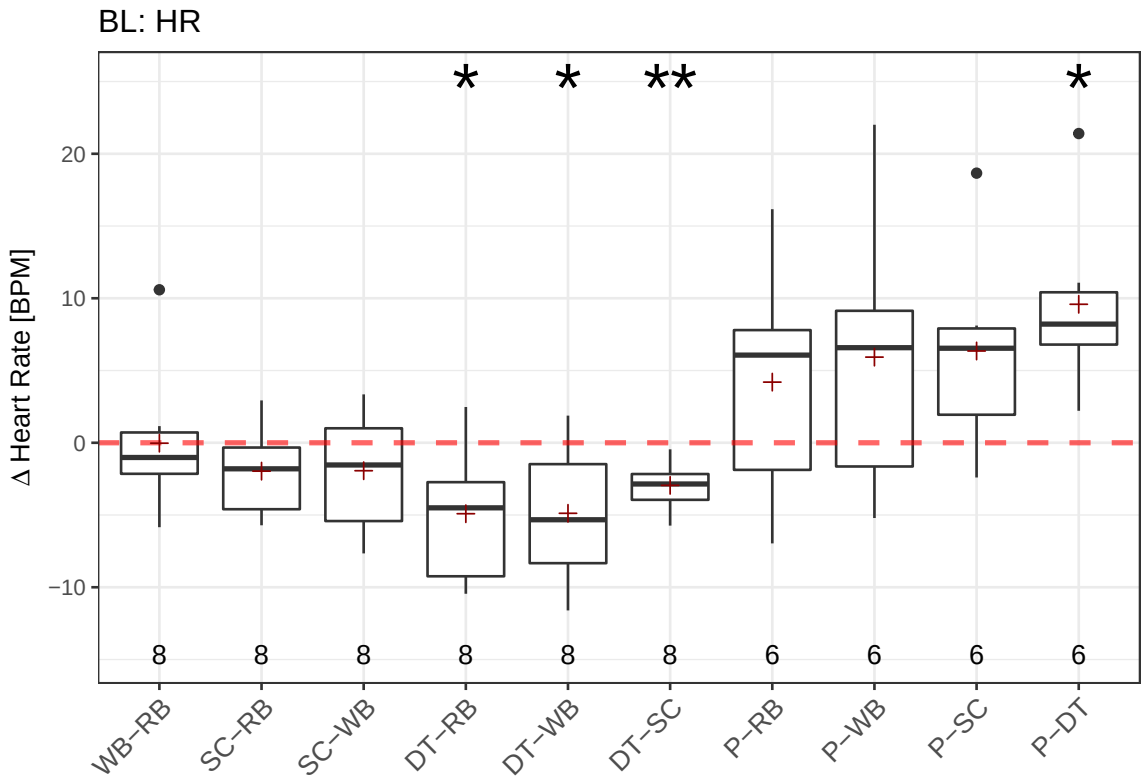

BL: P − RB
**
?
?
10
7
6
9
7
D.EDA
N.EDA
HR
BR
D.HR
N.HR
BL: P − WB
***
?
?
10
7
6
9
7
D.EDA
N.EDA
HR
BR
D.HR
N.HR
BL: P − SC
**
?
?
10
7
6
9
7
D.EDA
N.EDA
HR
BR
D.HR
N.HR
BL: P − DT
**
?
*
*
?
10
7
6
8
7
D.EDA
N.EDA
HR
BR
D.HR
N.HR

Sensor Channel across Activities



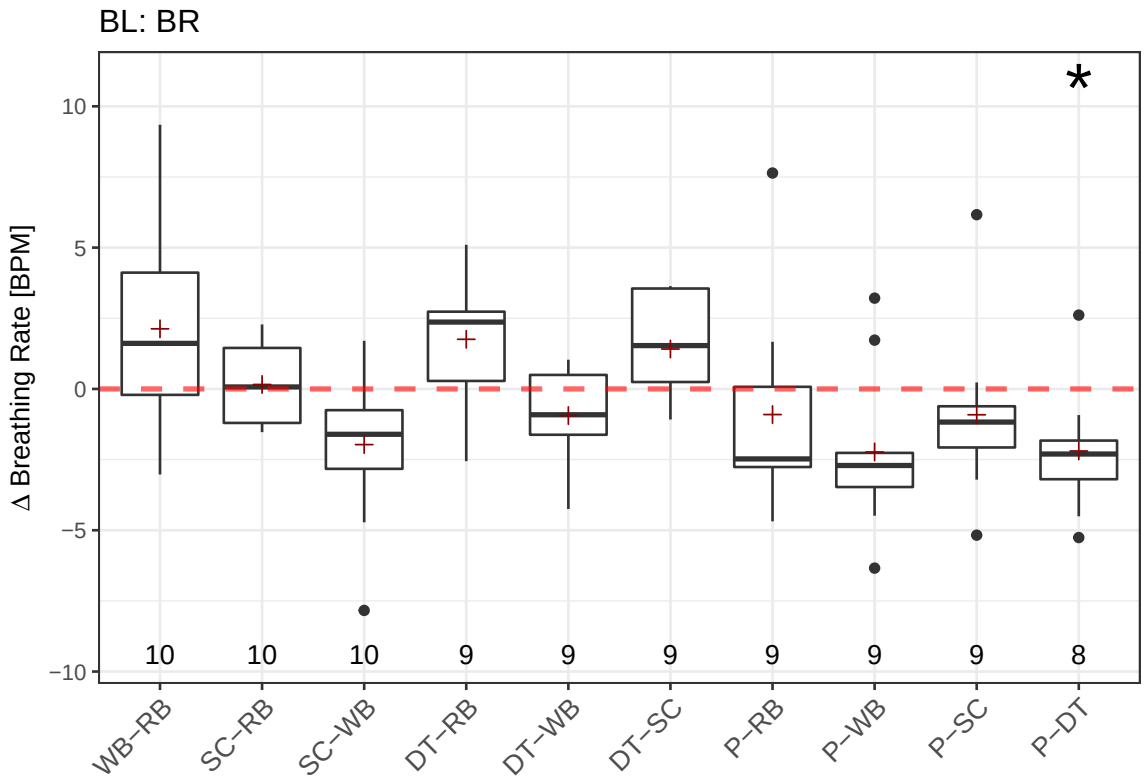

```
## Writing Baseline - Resting Baseline
## Transformed t-test p = 0.7647 > 0.05
##
## Stress Condition - Resting Baseline
## Transformed t-test p = 0.5789 > 0.05
##
## StressCondition - Writing Baseline
## Transformed t-test p = 0.6708 > 0.05
##
## Dual Task - Resting Baseline
## Transformed t-test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

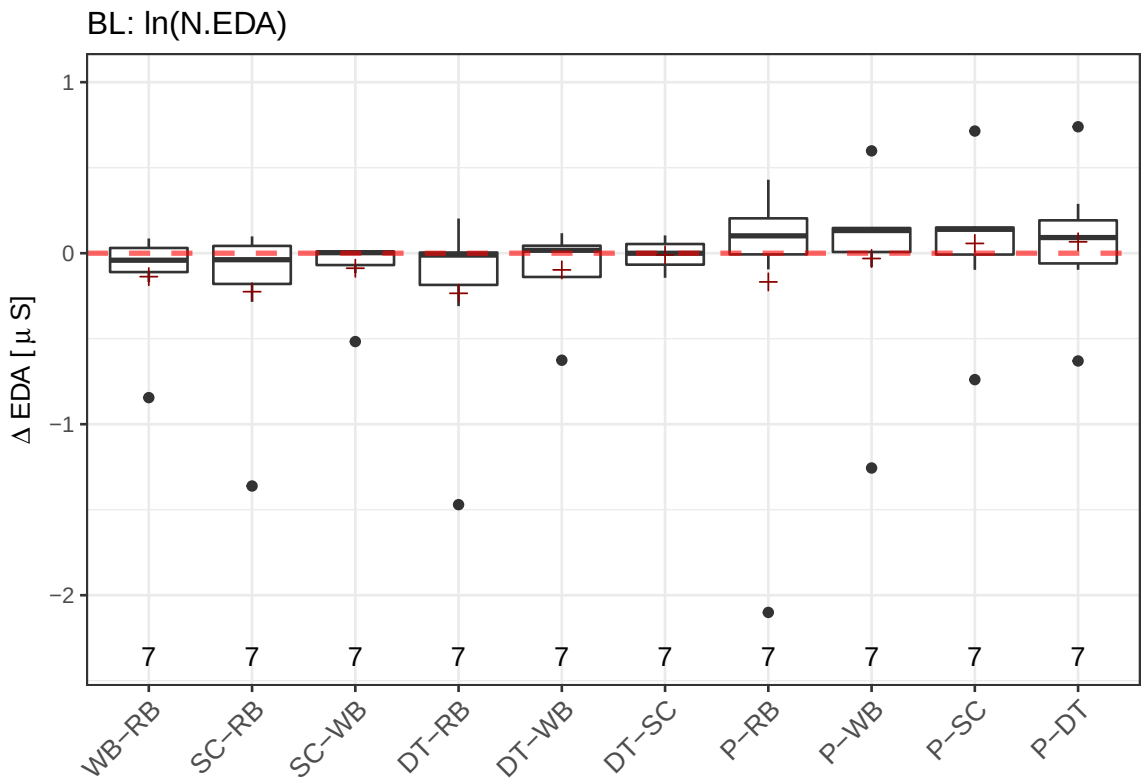
```
## t-test p = 0.0855 > 0.05
##
## Presentation - Dual Task
## t-test p = 0.0152 < 0.05  *
```




```
## 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  *
```

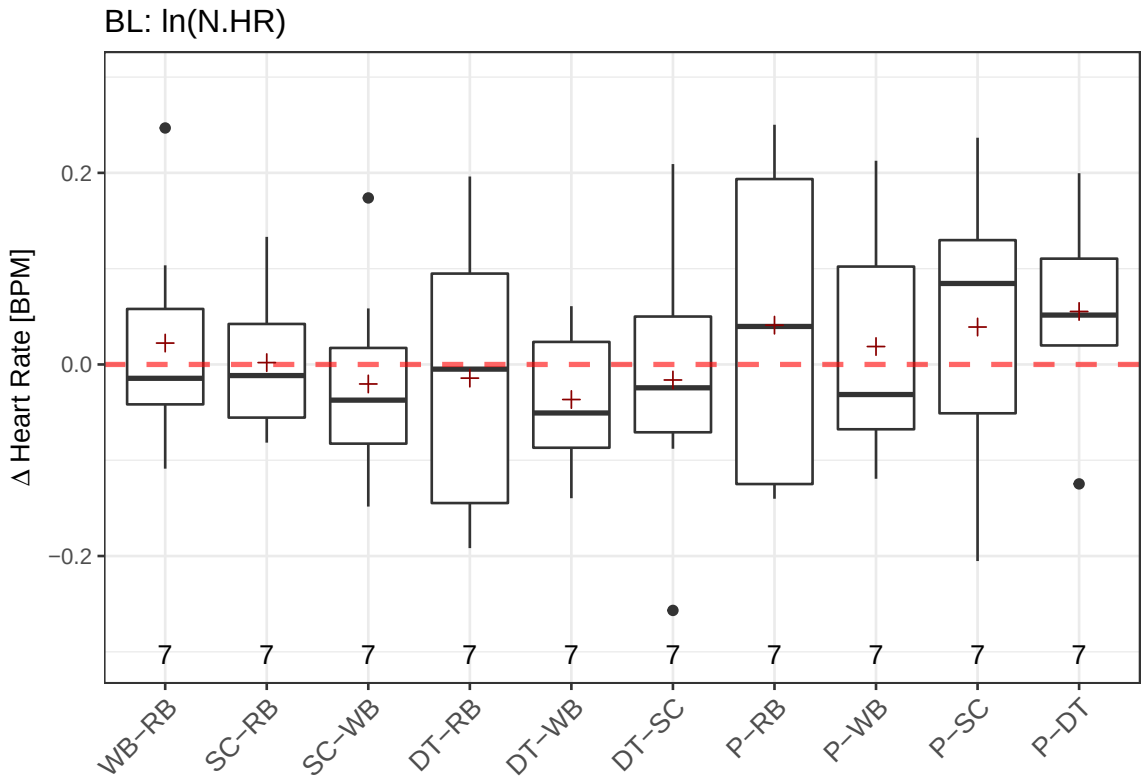
```
## BL has LESS than 7 subjects for D.EDA. Cannot continue with test.
## -----
```




```
## 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
```

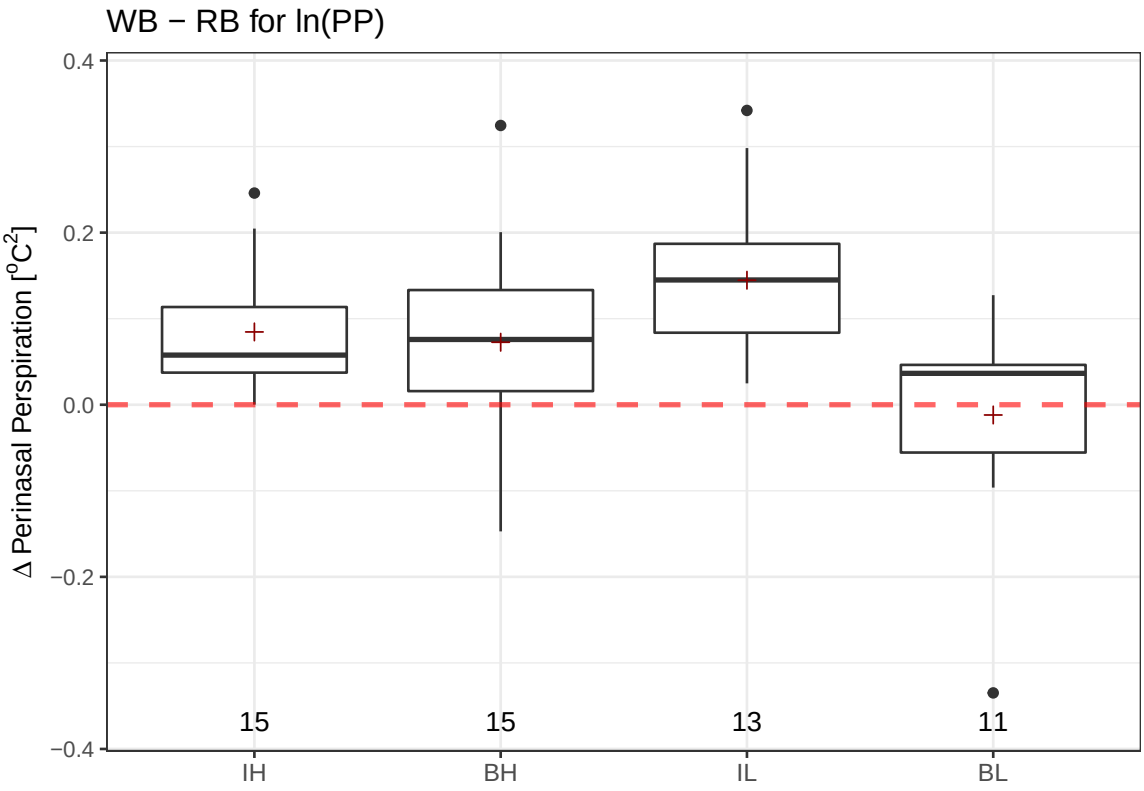
```
## BL has LESS than 7 subjects for D.HR. Cannot continue with test.
## -----
```



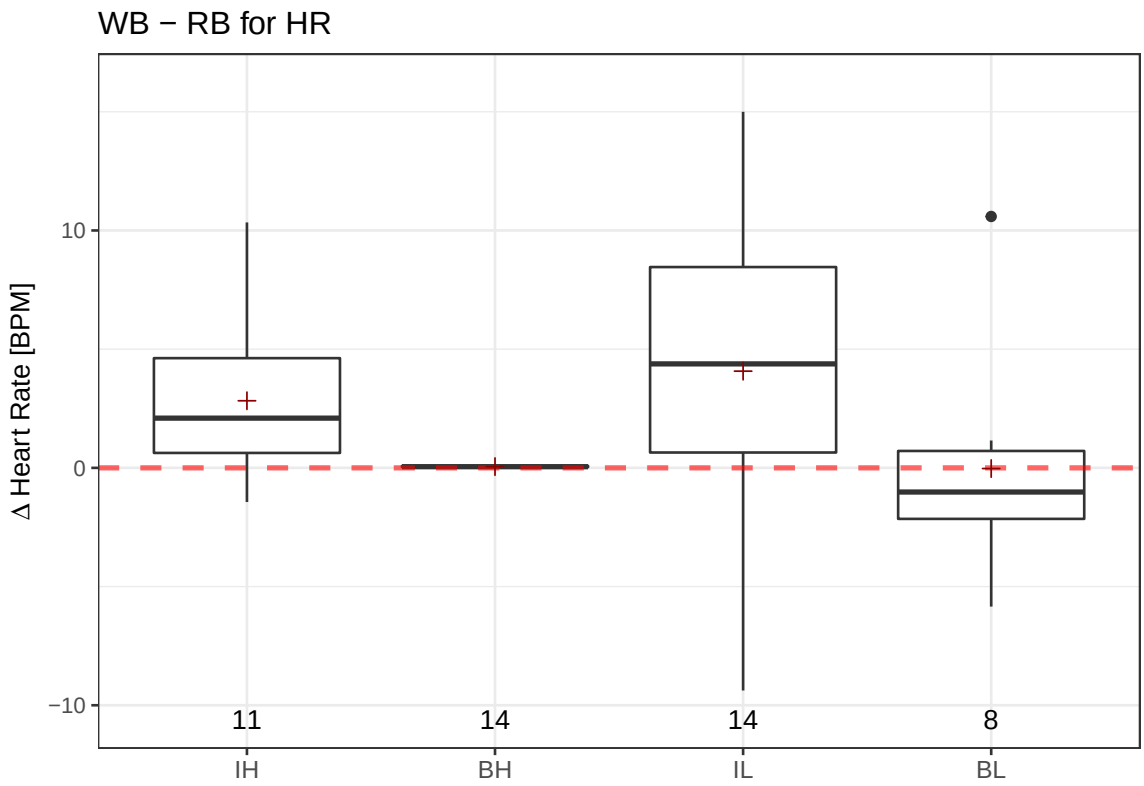

```
## Writing Baseline - Resting Baseline
## Transformed t-test p = 0.6353 > 0.05
##
## Stress Condition - Resting Baseline
## Transformed t-test p = 0.949 > 0.05
##
## StressCondition - Writing Baseline
## Transformed t-test p = 0.6362 > 0.05
##
## Dual Task - Resting Baseline
## Transformed t-test 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
```

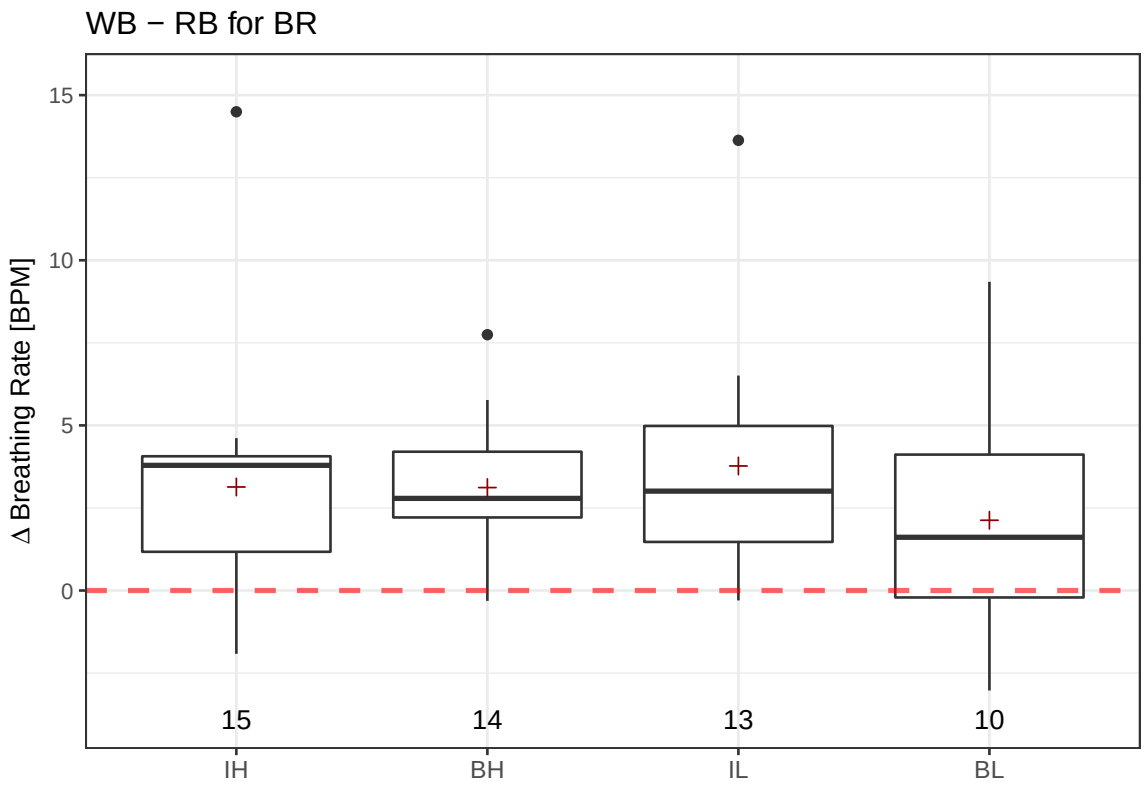
Across Activities



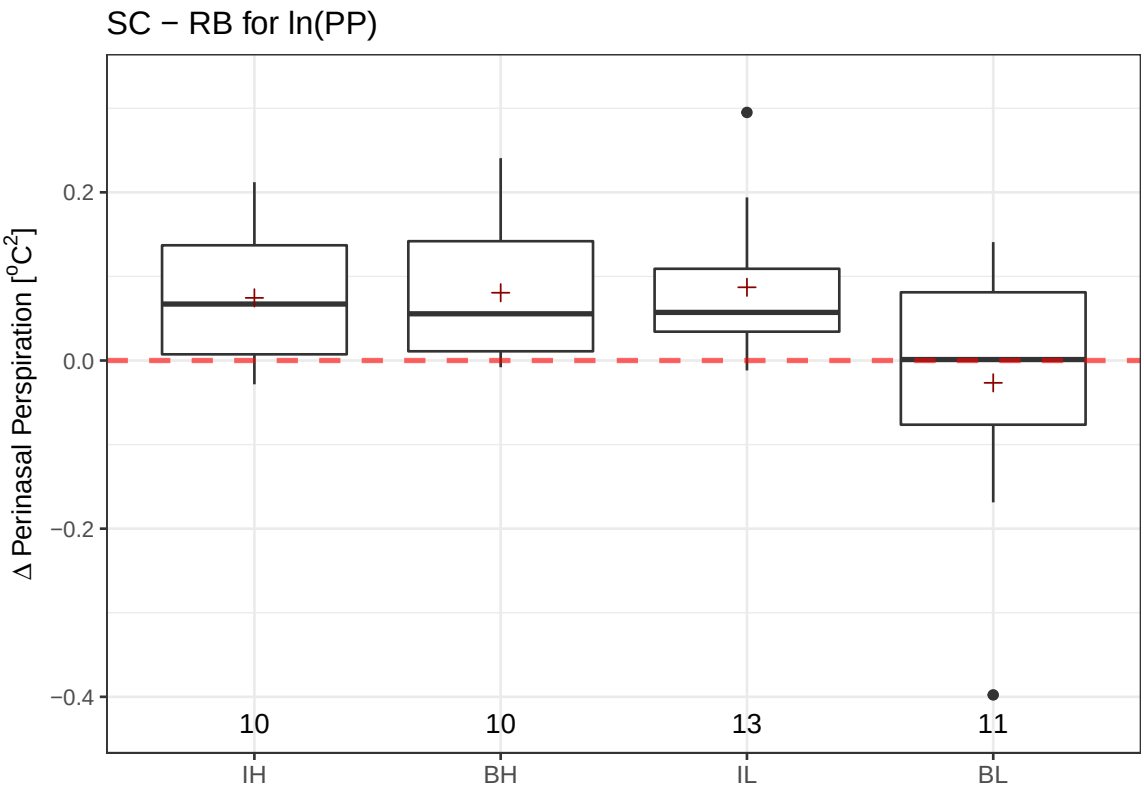

```
## ANOVA:
##             Df Sum Sq Mean Sq F value  Pr(>F)
## Condition    3 0.1476 0.04921   4.742 0.00548 **
## Residuals   50 0.5189 0.01038
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## ---
##
##     Tukey multiple comparisons of means
##     95% family-wise confidence level
##
## Fit: aov(formula = formula(paste(diff, "~ Condition")), data = anova_df)
##
## $Condition
##              diff         lwr        upr     p adj
## BL-BH -0.08454045 -0.19201439 0.02293349 0.1702476
## IH-BH  0.01198954 -0.08687210 0.11085118 0.9882866
## IL-BH  0.07206111 -0.03053247 0.17465468 0.2553544
## IH-BL  0.09652999 -0.01094395 0.20400393 0.0927543
## IL-BL  0.15660156  0.04568508 0.26751803 0.0025015
## IL-IH  0.06007157 -0.04252201 0.16266514 0.4126252
```



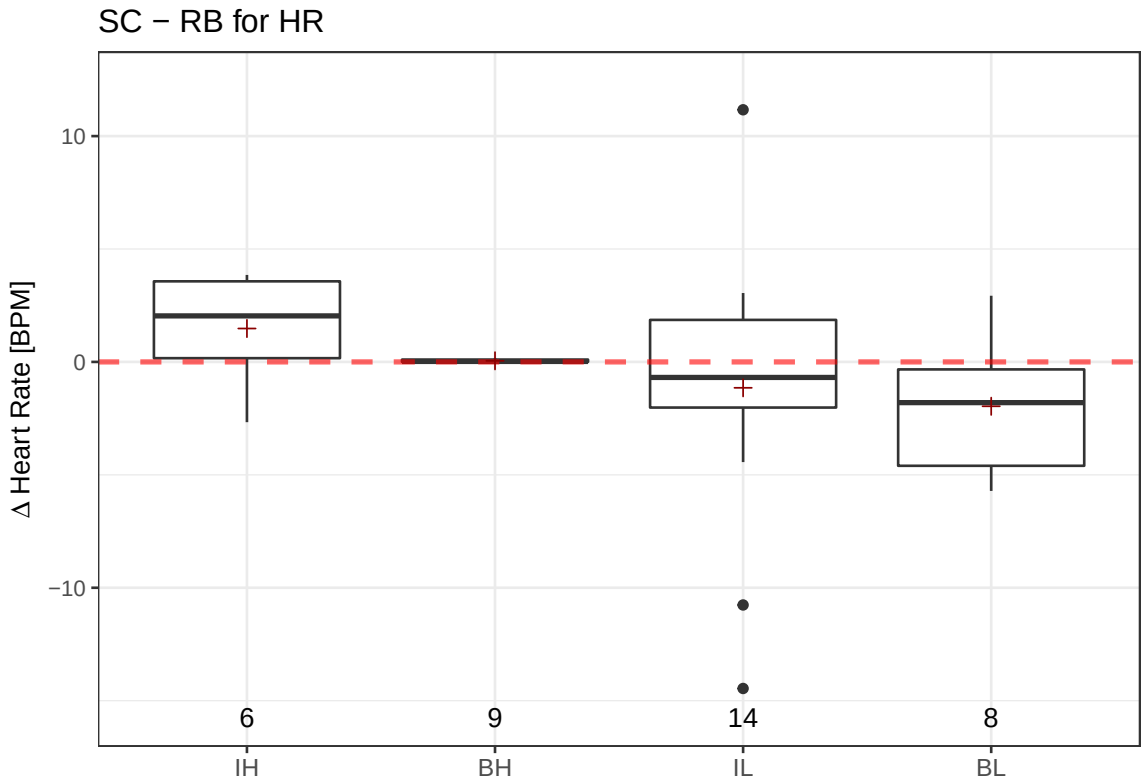

```
## ANOVA:
##             Df Sum Sq Mean Sq F value Pr(>F)
## Condition    3  153.1   51.03   2.755 0.0539 .
## Residuals   43  796.4   18.52
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## ---
##
##     Tukey multiple comparisons of means
##     95% family-wise confidence 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
```



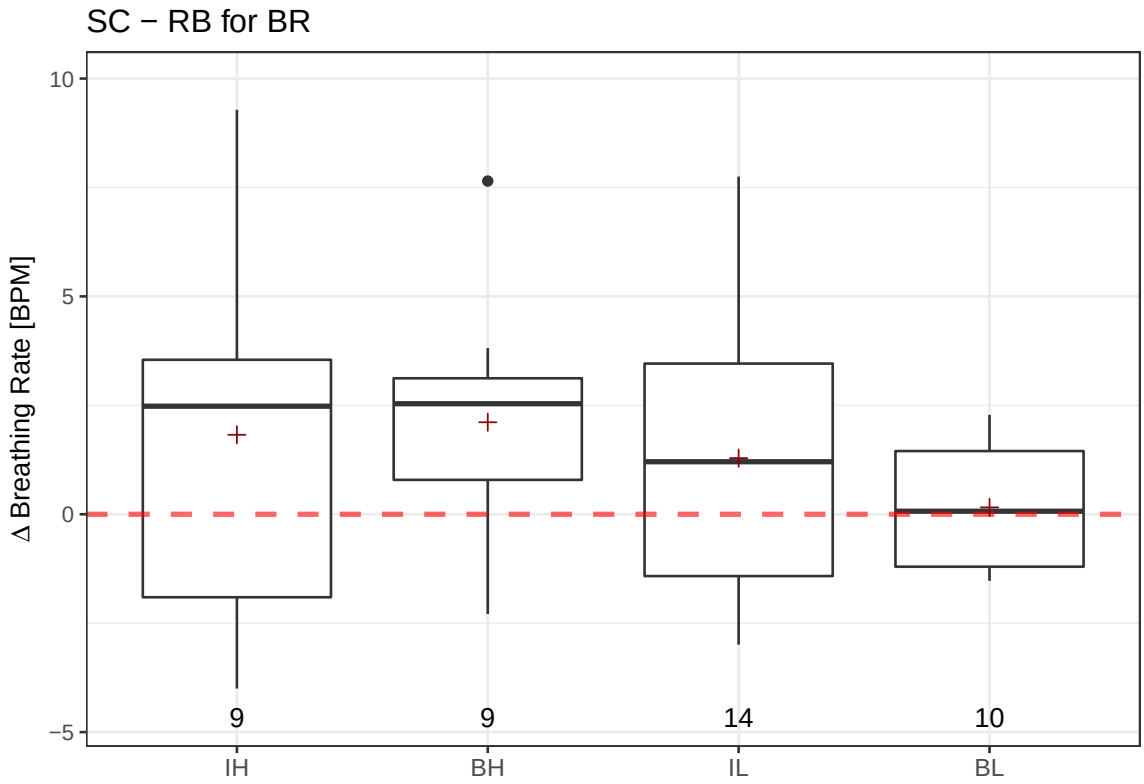

```
## ANOVA:
##             Df Sum Sq Mean Sq F value Pr(>F)
## Condition    3   15.4   5.118    0.45  0.719
## Residuals   48  546.1  11.378
##
## ---
##
##     Tukey multiple comparisons of means
##     95% family-wise confidence level
##
## Fit: aov(formula = formula(paste(diff, "~ Condition")), 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
```



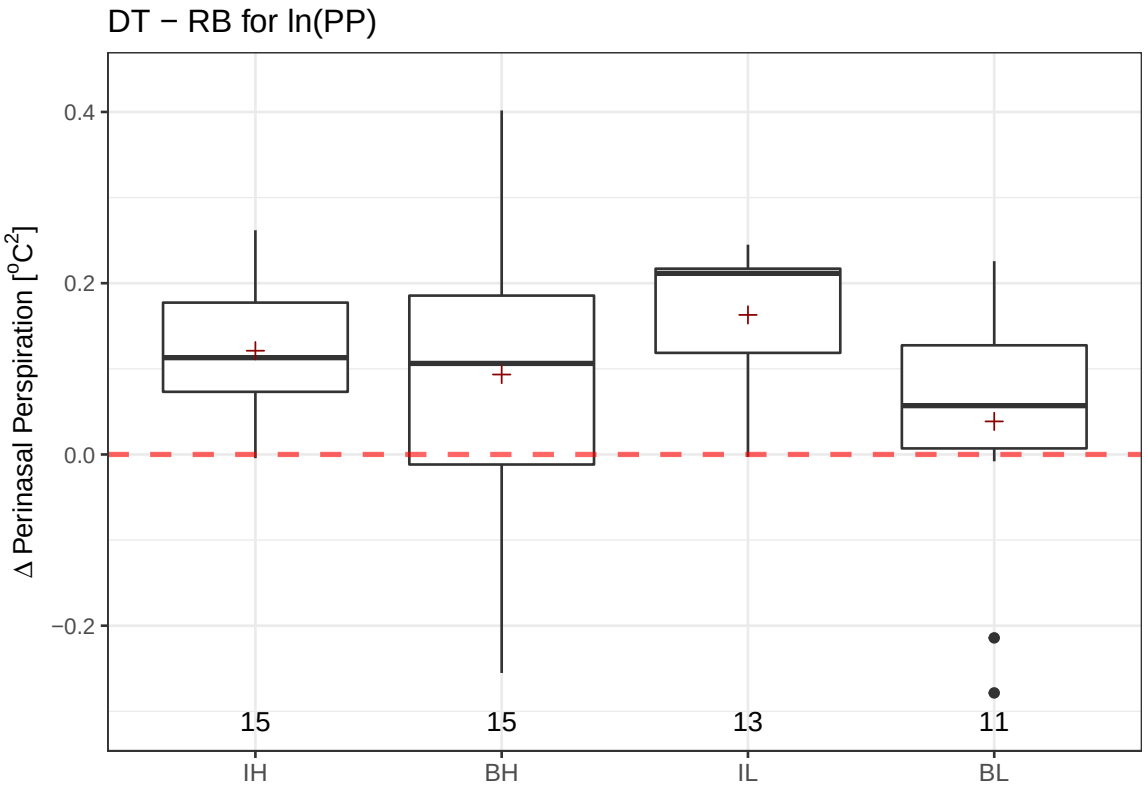

```
## [1] "Removed 12 subjects who had Stroop scores less than 30."
##
## ---
##   ANOVA:
##             Df Sum Sq Mean Sq F value Pr(>F)
## Condition    3 0.0969 0.03230   2.789 0.0529 .
## Residuals   40 0.4633 0.01158
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## ---
##
##     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 -0.107158209 -0.233197177 0.01888076 0.1201596
## IH-BH -0.006078721 -0.135083718 0.12292628 0.9992676
## IL-BH  0.006491587 -0.114842765 0.12782594 0.9989299
## IH-BL  0.101079488 -0.024959480 0.22711846 0.1552081
## IL-BL  0.113649797 -0.004526163 0.23182576 0.0632586
## IL-IH  0.012570308 -0.108764044 0.13390466 0.9924043
```



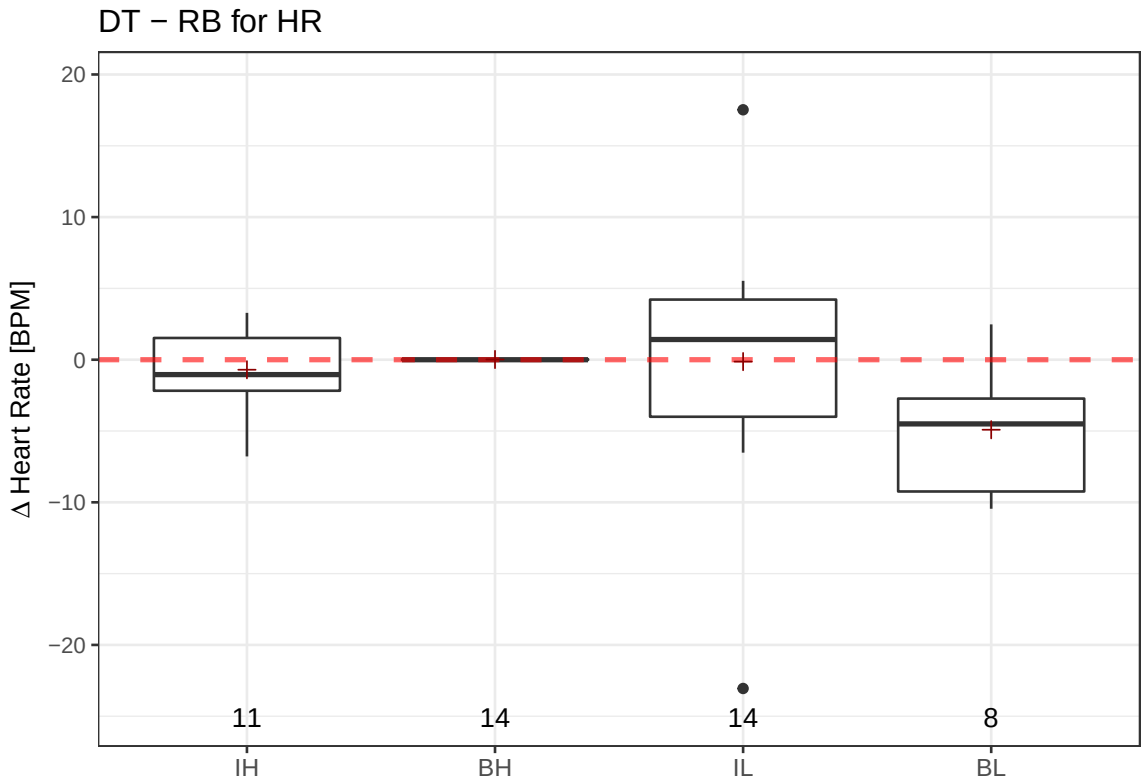

```
## [1] "Removed 12 subjects who had Stroop scores less than 30."
##
## ---
##   ANOVA:
##             Df Sum Sq Mean Sq F value Pr(>F)
## Condition    3   48.8   16.27   0.932  0.436
## Residuals   33  576.0   17.45
##
## ---
##
##     Tukey multiple comparisons of means
##     95% family-wise confidence 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
```



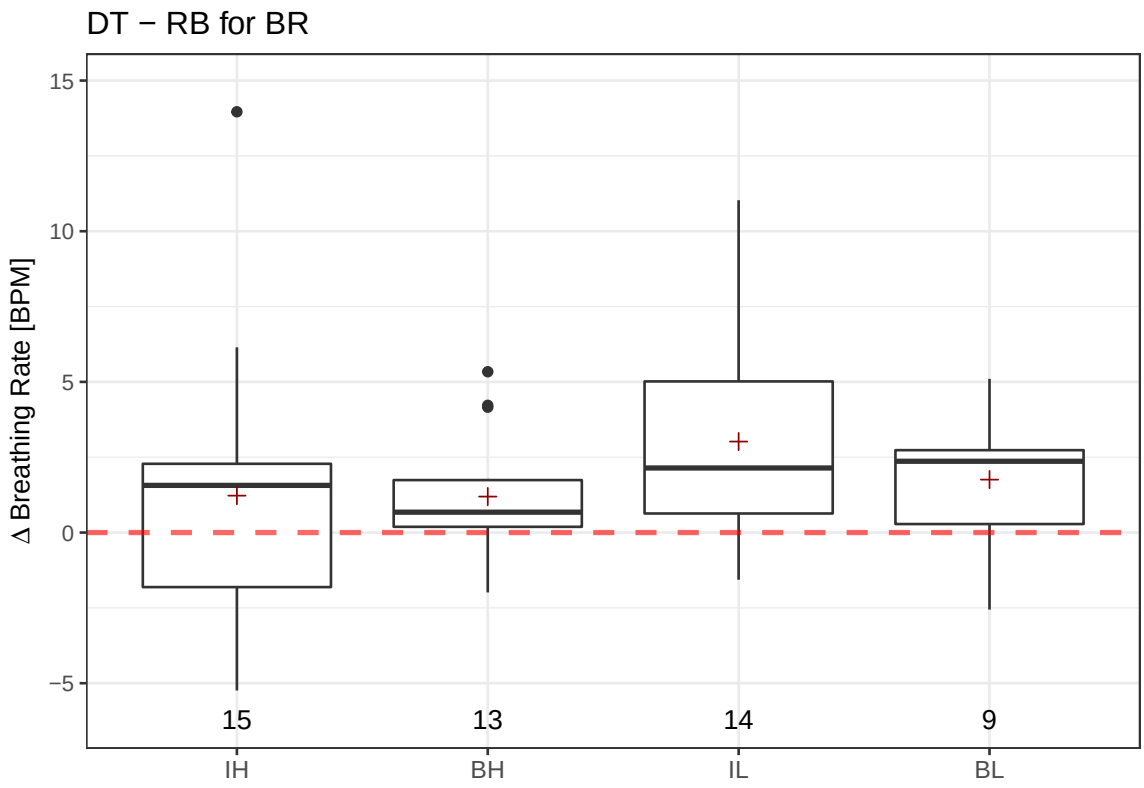

```
## [1] "Removed 12 subjects who had Stroop scores less than 30."
##
## ---
##   ANOVA:
##             Df Sum Sq Mean Sq F value Pr(>F)
## Condition    3   21.4   7.149   0.704  0.555
## Residuals   38  385.8  10.153
##
## ---
##
##     Tukey multiple comparisons of means
##     95% family-wise confidence level
##
## Fit: aov(formula = formula(paste(diff, "~ Condition")), data = anova_df)
##
## $Condition
##             diff       lwr      upr     p adj
## BL-BH -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
```



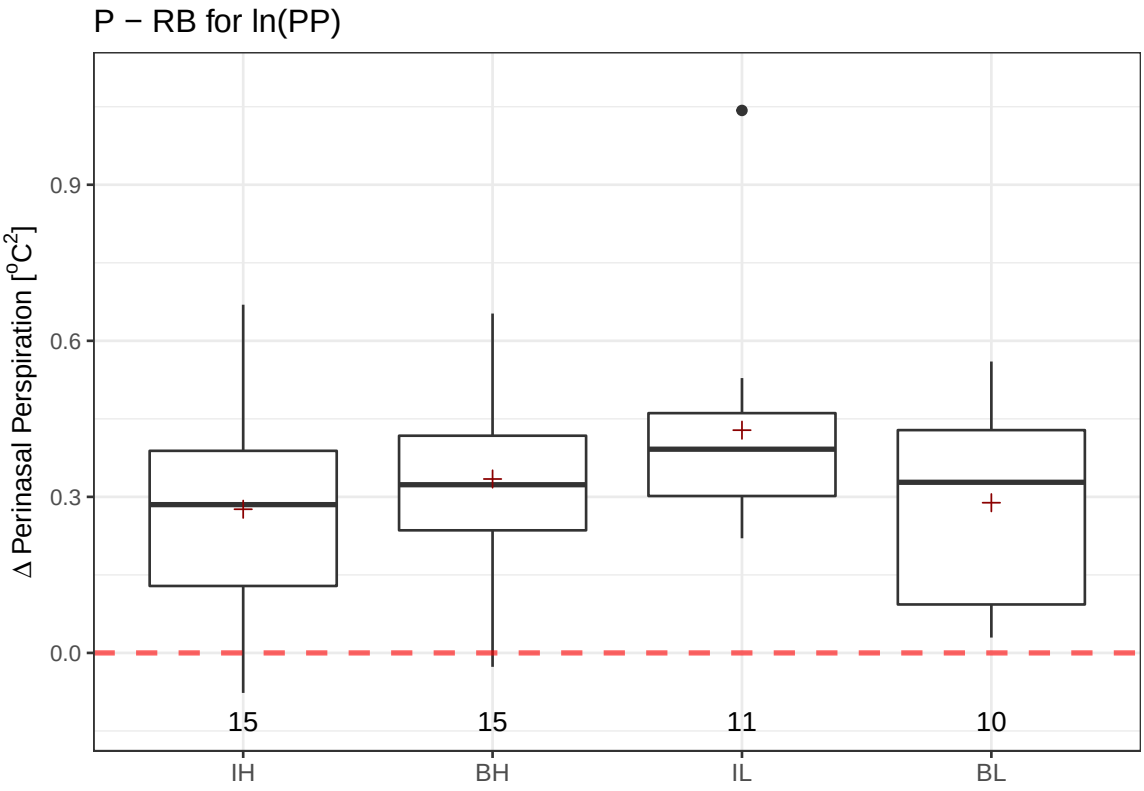

```
## ANOVA:
##             Df Sum Sq Mean Sq F value Pr(>F)
## Condition    3  0.098 0.03265   2.174  0.103
## Residuals   50  0.751 0.01502
##
## ---
##
##     Tukey multiple comparisons of means
##     95% family-wise confidence level
##
## Fit: aov(formula = formula(paste(diff, "~ Condition")), data = anova_df)
##
## $Condition
##               diff          lwr        upr     p adj
## BL-BH -0.05474749 -0.184040636 0.07454566 0.6757971
## IH-BH  0.02779432 -0.091138082 0.14672672 0.9248565
## IL-BH  0.06961179 -0.053810199 0.19303377 0.4457842
## IH-BL  0.08254180 -0.046751346 0.21183495 0.3362162
## IL-BL  0.12435927 -0.009075315 0.25779386 0.0760319
## IL-IH  0.04181747 -0.081604516 0.16523945 0.8046204
```



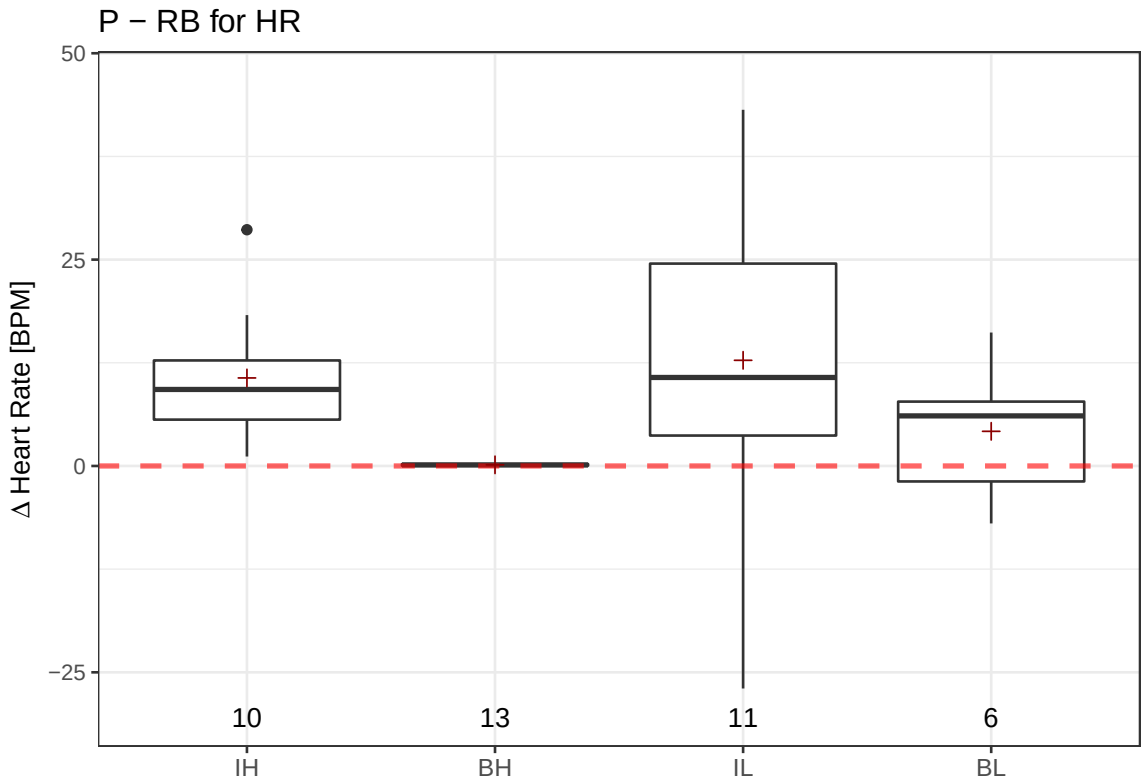

```
## ANOVA:
##             Df Sum Sq Mean Sq F value Pr(>F)
## Condition    3  148.2    49.4   1.669  0.188
## Residuals   43 1272.7    29.6
##
## ---
##
##     Tukey multiple comparisons of means
##     95% family-wise confidence level
##
## Fit: aov(formula = formula(paste(diff, "~ Condition")), 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
```



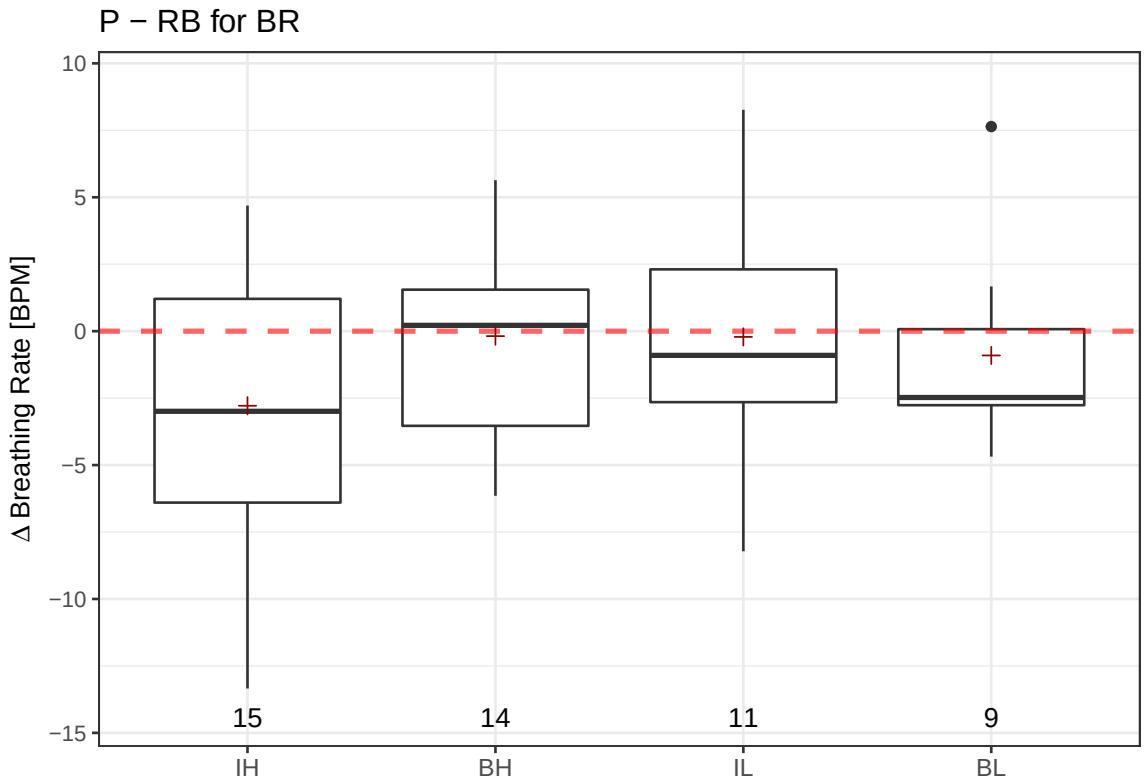

```
## ANOVA:
##             Df Sum Sq Mean Sq F value Pr(>F)
## Condition    3   30.6   10.19   0.785  0.508
## Residuals   47  610.3   12.98
##
## ---
##
##     Tukey multiple comparisons of means
##     95% family-wise confidence level
##
## Fit: aov(formula = formula(paste(diff, "~ Condition")), 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 0.1667 0.05558   1.407  0.252
## Residuals   47 1.8565 0.03950
##
## ---
##
##     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 -0.26170200 0.1705046 0.9427867
## IH-BH -0.05813156 -0.25142022 0.1351571 0.8535884
## IL-BH  0.09389197 -0.11623496 0.3040189 0.6360490
## IH-BL -0.01253285 -0.22863614 0.2035704 0.9986681
## IL-BL  0.13949068 -0.09179583 0.3707772 0.3850158
## IL-IH  0.15202352 -0.05810340 0.3621504 0.2308691
```




```
## ANOVA:
##             Df Sum Sq Mean Sq F value Pr(>F)
## Condition    3   1163   387.7   2.922 0.0471 *
## Residuals   36   4777   132.7
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 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
```

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	