# Advanced Analysis

## PP, 4 Groups:

## Stress Levels Across Activities

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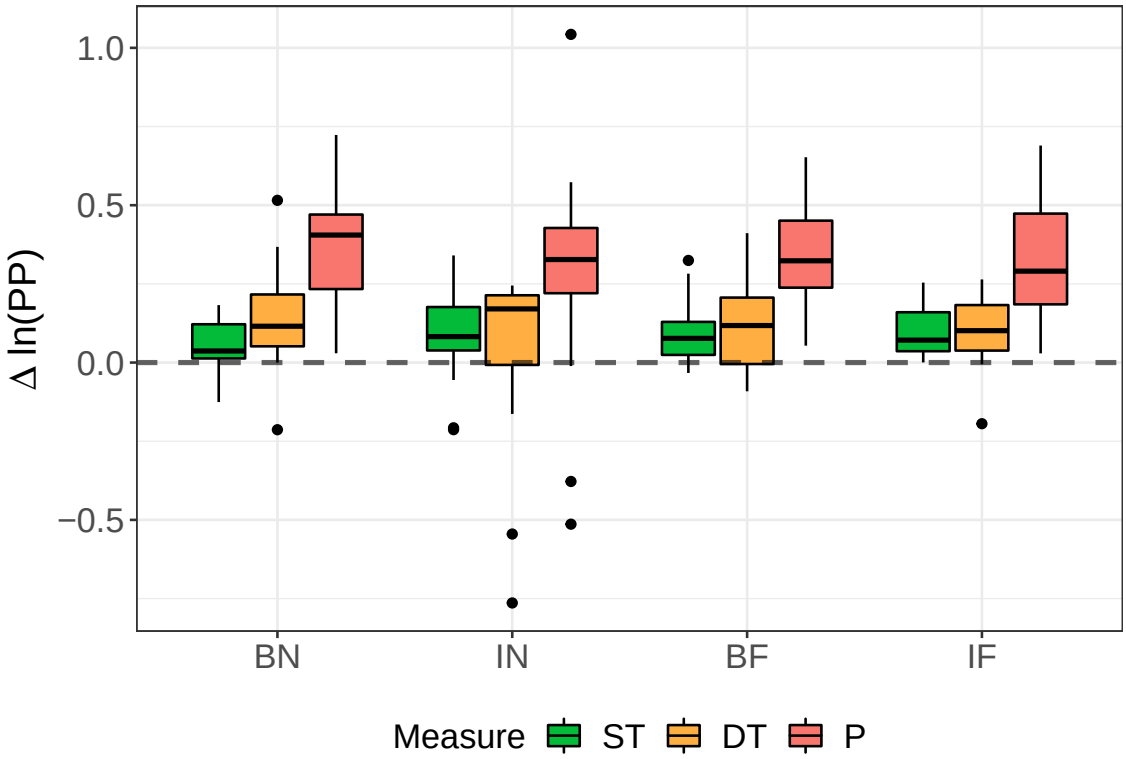
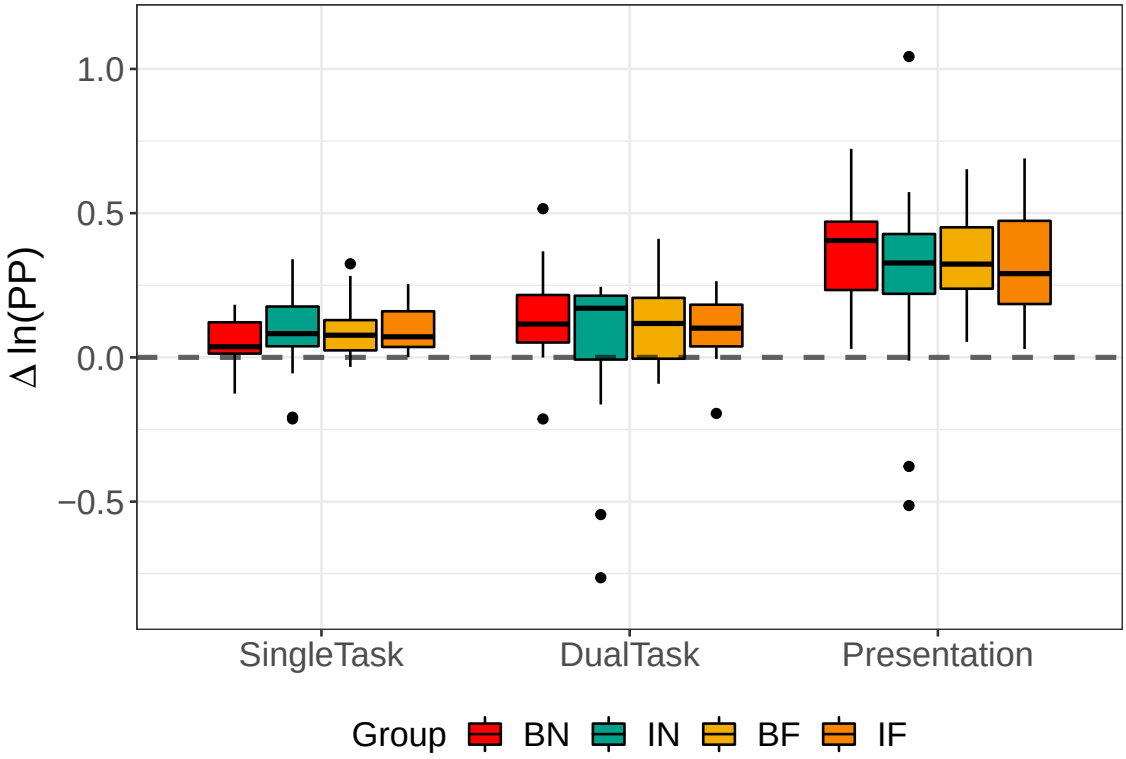
Our Linear Model:

$$\Delta ln(\bar{PP}) = 1 + Group + Activity + 1|Subject$$

---

```
## Linear mixed-effects model fit by REML
##  Data: diff_df
##        AIC      BIC   logLik
##   -178.948 -147.112 98.47402
##
## Random effects:
##  Formula: ~1 | Subject
##         (Intercept)  Residual
## StdDev:    0.138271 0.1254413
##
## Fixed effects: PP ~ 1 + Group + Activity
##                   Value  Std.Error  DF   t-value p-value
## (Intercept)  0.10039584 0.04146835 192  2.421023  0.0164
## GroupIN     -0.04785667 0.05256399  62 -0.910446  0.3661
## GroupBF      0.00482909 0.05549157  62  0.087024  0.9309
## GroupIF     -0.00466546 0.05383780  62 -0.086658  0.9312
## ActivityB   -0.03929932 0.02194253 192 -1.791012  0.0749
## ActivityDT   0.01469432 0.02183652 192  0.672924  0.5018
## ActivityP    0.24369816 0.02205159 192 11.051272  0.0000
##  Correlation:
##             (Intr) GropIN GropBF GropIF ActvtB ActvDT
## GroupIN     -0.708
## GroupBF     -0.670  0.529
## GroupIF     -0.690  0.545  0.516
## ActivityB   -0.258 -0.004 -0.004 -0.004
## ActivityDT -0.263  0.000  0.000  0.000  0.498
## ActivityP  -0.263  0.007  0.000  0.000  0.493  0.495
##
## Standardized Within-Group Residuals:
##         Min          Q1         Med          Q3         Max
## -3.69297959 -0.40330059 -0.04953458  0.42425698  4.32262164
##
## Number of Observations: 261
## Number of Groups: 66
```


1.0
0.5
0.0
−0.5
Δ ln(PP)
BN
IN
BF
IF
Measure
ST
DT
P


1.0
0.5
0.0
−0.5
Δ ln(PP)
SingleTask
DualTask
Presentation
Group
BN
IN
BF
IF

### Stress Levels for Dual Task

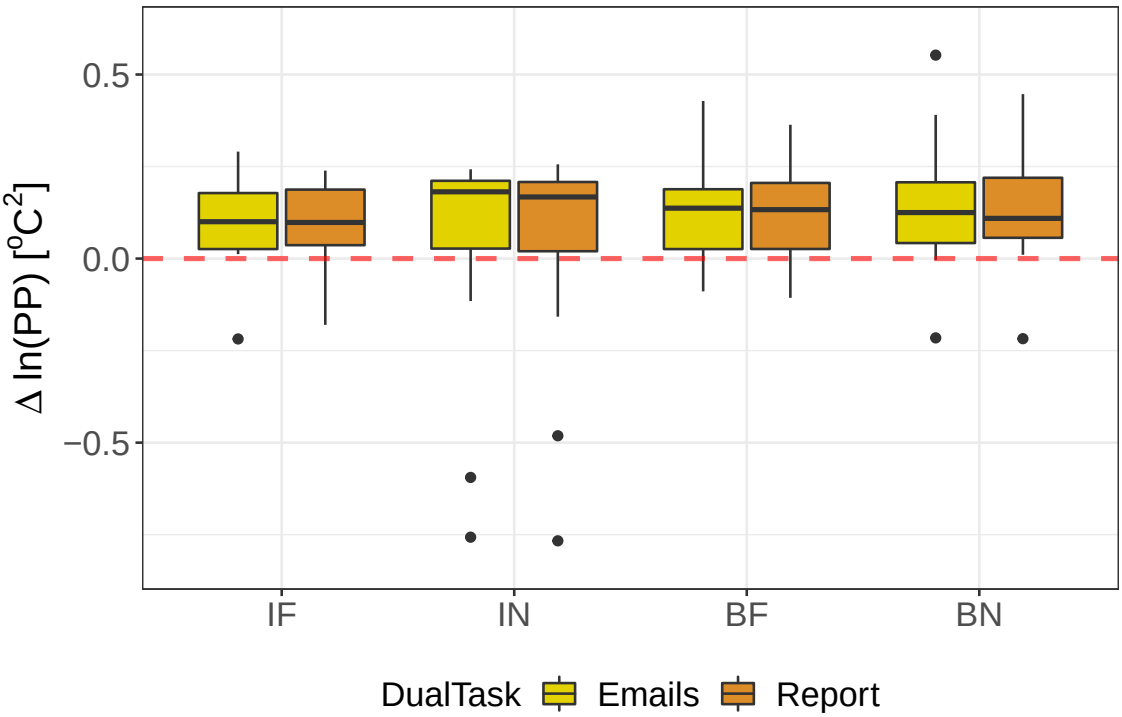
---

Our Linear Model:

$$\Delta ln(\bar{PP}) = 1 + Group + DualTask + 1|Subject$$

---

```
## Linear mixed-effects model fit by REML
##  Data: total_df
##         AIC       BIC   logLik
##   -238.7776 -218.9794 126.3888
##
## Random effects:
##  Formula: ~1 | Subject
##         (Intercept)   Residual
## StdDev:   0.1872633 0.02677144
##
## Fixed effects: PP ~ 1 + Group + DualTask
##                       Value  Std.Error DF    t-value p-value
## (Intercept)     0.14163189 0.04865428 64  2.9109850  0.0050
## GroupIN        -0.08806844 0.06500959 61 -1.3546992  0.1805
## GroupBF        -0.01400555 0.06994389 61 -0.2002397  0.8420
## GroupIF        -0.04123247 0.06667535 61 -0.6184065  0.5386
## DualTaskReport -0.00249349 0.00469602 64 -0.5309799  0.5973
##  Correlation:
##                (Intr) GropIN GropBF GropIF
## GroupIN        -0.747
## GroupBF        -0.694  0.519
## GroupIF        -0.728  0.545  0.506
## DualTaskReport -0.048  0.000  0.000  0.000
##
## Standardized Within-Group Residuals:
##           Min            Q1           Med            Q3           Max
## -2.383599e+00 -4.505942e-01 -1.059742e-05  3.762150e-01  2.069535e+00
##
## Number of Observations: 130
## Number of Groups: 65
```




```
## Paired t-test
## For IF, p = 0.674 > 0.05

## Paired t-test
## For IN, p = 0.744 > 0.05

## Paired t-test
## For BF, p = 0.4738 > 0.05

## Paired t-test
## For BN, p = 0.4718 > 0.05
```

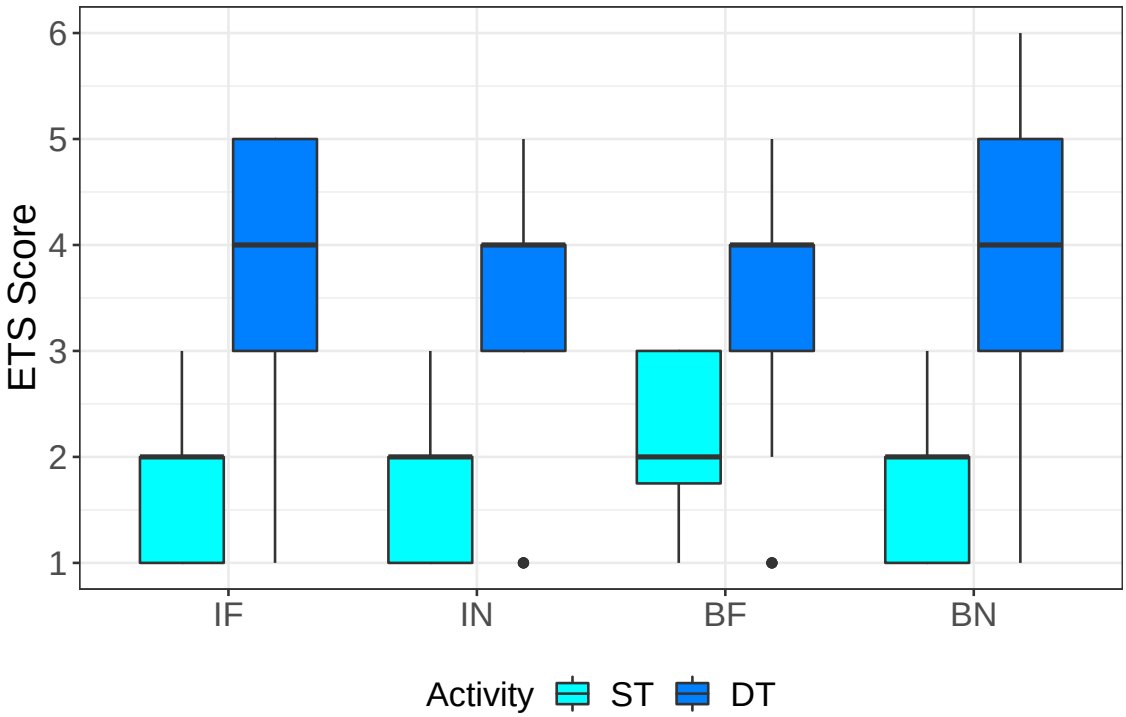
## Linear Modelling for Writing Quality

Our Linear Model:

$$WritingQuality = 1 + Group + Activity + 1|Subject$$

---

```
## Linear mixed-effects model fit by REML
##  Data: full_df
##        AIC      BIC    logLik
##   817.6827 844.9048 -401.8414
##
## Random effects:
##  Formula: ~1 | Subject
##         (Intercept)  Residual
## StdDev:   0.8037329 0.5812148
##
## Fixed effects: Score ~ 1 + Group + Activity
##                 Value  Std.Error  DF   t-value p-value
## (Intercept) 1.9260910 0.21905259 300  8.792824  0.0000
## GroupIN     0.0692567 0.29079672  61  0.238162  0.8126
## GroupBF     0.0319413 0.31260930  61  0.102177  0.9190
## GroupIF     0.0897360 0.29848782  61  0.300635  0.7647
## ActivityDT  1.7431694 0.06076117 300 28.688871  0.0000
##  Correlation:
##             (Intr) GropIN GropBF GropIF
## GroupIN    -0.739
## GroupBF    -0.687  0.518
## GroupIF    -0.720  0.542  0.504
## ActivityDT -0.139  0.000  0.000  0.000
##
## Standardized Within-Group Residuals:
##         Min          Q1         Med          Q3         Max
## -2.55122903 -0.54685588 -0.02736085  0.45922973  2.18086539
##
## Number of Observations: 366
## Number of Groups: 65
```




| Activity | Group | n |
|---|---|---|
| ST | BN | 43 |
| ST | IN | 55 |
| ST | BF | 40 |
| ST | IF | 45 |
| DT | BN | 43 |
| DT | IN | 55 |
| DT | BF | 40 |
| DT | IF | 45 |

**HR, 4 Groups:**

### Stress Levels Across Activities

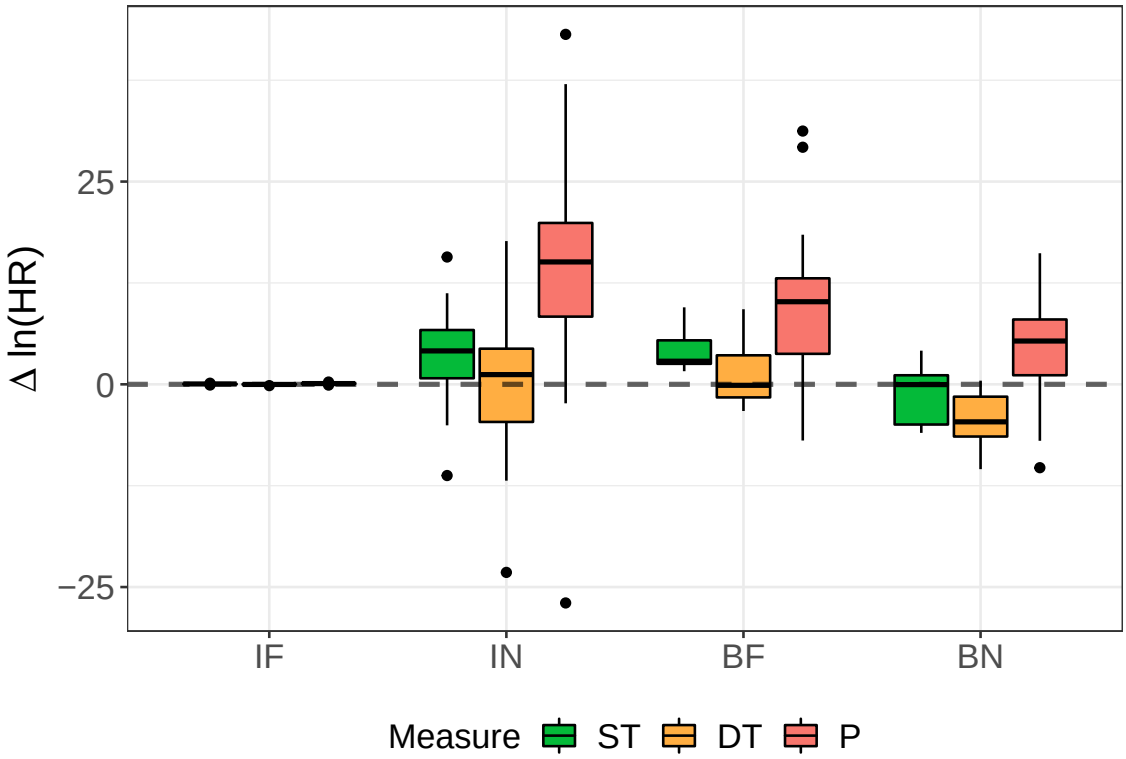
---

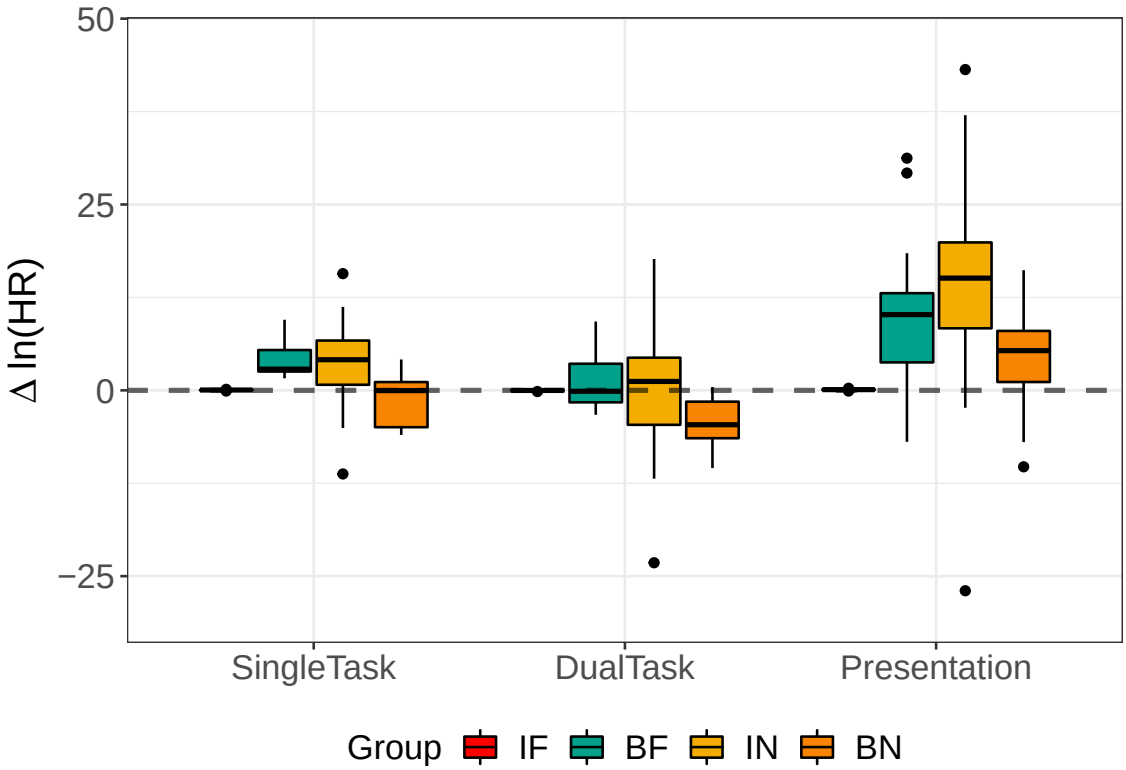
Our Linear Model:

$$\Delta\bar{HR} = 1 + Group + Activity + 1|Subject$$

---

```
## Linear mixed-effects model fit by REML
##  Data: diff_df
##        AIC      BIC    logLik
##   1397.593 1427.544 -689.7966
##
## Random effects:
##  Formula: ~1 | Subject
##         (Intercept) Residual
## StdDev:      4.7485 5.453409
##
## Fixed effects: HR ~ 1 + Group + Activity
##                 Value Std.Error  DF   t-value p-value
## (Intercept) -0.558257  1.652845 155 -0.337755  0.7360
## GroupIN      3.792501  2.060187  51  1.840853  0.0715
## GroupBF      5.188135  2.115775  51  2.452120  0.0177
## GroupIF      0.718798  2.201960  51  0.326435  0.7454
## ActivityB   -2.449953  1.045858 155 -2.342529  0.0204
## ActivityDT  -2.983310  1.039924 155 -2.868776  0.0047
## ActivityP    5.470081  1.078582 155  5.071547  0.0000
##  Correlation:
##             (Intr) GropIN GropBF GropIF ActvtB ActvDT
## GroupIN     -0.687
## GroupBF     -0.666  0.535
## GroupIF     -0.640  0.514  0.501
## ActivityB   -0.315  0.005  0.000  0.000
## ActivityDT -0.315  0.000  0.000  0.000  0.497
## ActivityP   -0.299  0.003 -0.013 -0.006  0.479  0.482
##
## Standardized Within-Group Residuals:
##         Min          Q1         Med          Q3         Max
## -3.46501284 -0.47250644  0.06466967  0.43791557  5.00418600
##
## Number of Observations: 213
## Number of Groups: 55
```


Δ ln(HR)
25
0
−25
IF
IN
BF
BN
Measure
ST
DT
P


Δ ln(HR)
50
25
0
−25
SingleTask
DualTask
Presentation
Group
IF
BF
IN
BN

### Stress Levels for Dual Task

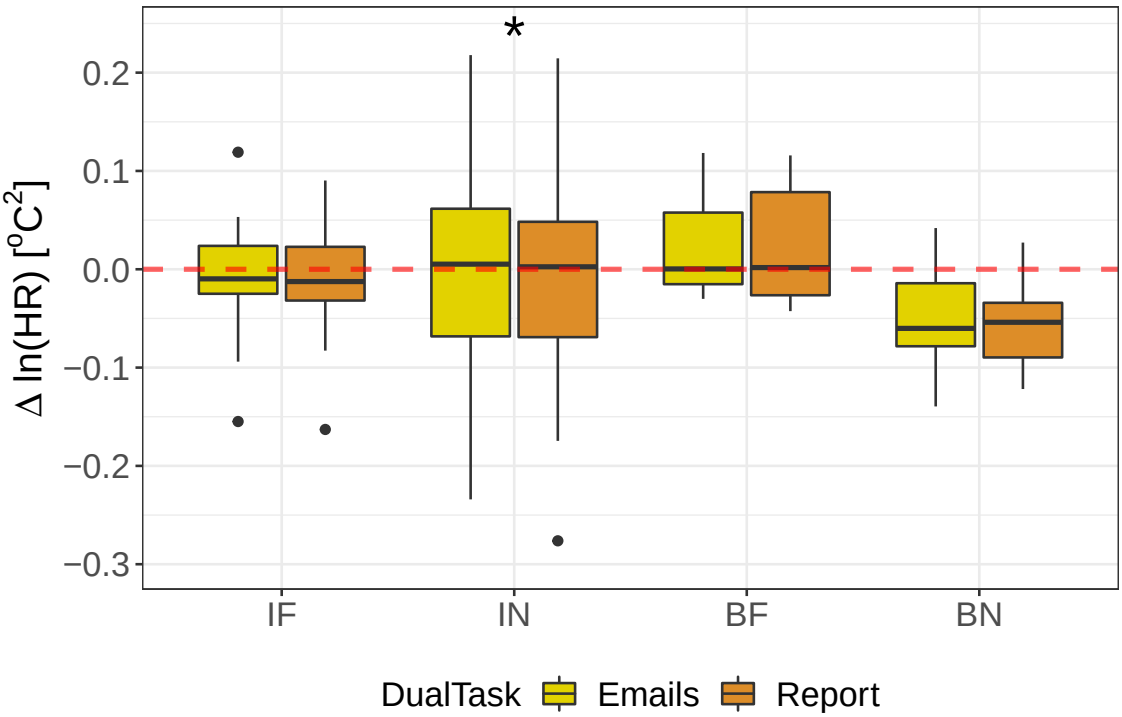
---

Our Linear Model:

$$\Delta\bar{HR} = 1 + Group + DualTask + 1|Subject$$

---

```
## Linear mixed-effects model fit by REML
##  Data: total_df
##         AIC      BIC   logLik
##   -344.4591 -326.016 179.2295
##
## Random effects:
##  Formula: ~1 | Subject
##         (Intercept)   Residual
## StdDev:  0.07447717 0.01528277
##
## Fixed effects: HR ~ 1 + Group + DualTask
##                       Value   Std.Error DF   t-value p-value
## (Intercept)    -0.04759271 0.020924305 53 -2.274518  0.0270
## GroupIN         0.03980732 0.028100549 50  1.416603  0.1628
## GroupBF         0.07322944 0.029518263 50  2.480818  0.0165
## GroupIF         0.03915708 0.030126951 50  1.299736  0.1997
## DualTaskReport -0.00555952 0.002941171 53 -1.890241  0.0642
##  Correlation:
##                (Intr) GropIN GropBF GropIF
## GroupIN        -0.741
## GroupBF        -0.705  0.525
## GroupIF        -0.691  0.515  0.490
## DualTaskReport -0.070  0.000  0.000  0.000
##
## Standardized Within-Group Residuals:
##         Min          Q1         Med          Q3         Max
## -1.90592838 -0.38237059  0.04371162  0.38197252  2.07495035
##
## Number of Observations: 108
## Number of Groups: 54
```




```
## Paired t-test
## For IF, p = 0.4269 > 0.05

## Paired t-test
## For IN, p = 0.0397 < 0.05  *

## Paired t-test
## For BF, p = 0.8595 > 0.05

## Paired t-test
## For BN, p = 0.573 > 0.05
```

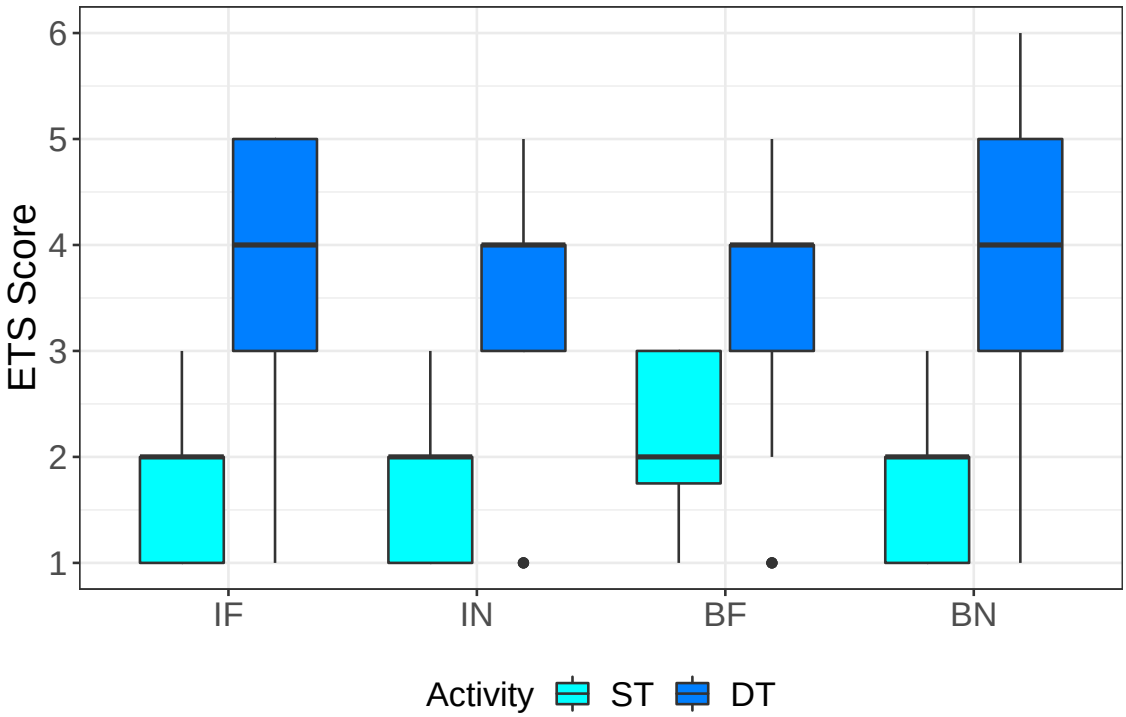
## Linear Modelling for Writing Quality

Our Linear Model:

$$WritingQuality = 1 + Group + Activity + 1|Subject$$

---

```
## Linear mixed-effects model fit by REML
##  Data: full_df
##        AIC      BIC    logLik
##   817.6827 844.9048 -401.8414
##
## Random effects:
##  Formula: ~1 | Subject
##         (Intercept)  Residual
## StdDev:   0.8037329 0.5812148
##
## Fixed effects: Score ~ 1 + Group + Activity
##                 Value  Std.Error  DF   t-value p-value
## (Intercept) 1.9260910 0.21905259 300  8.792824  0.0000
## GroupIN     0.0692567 0.29079672  61  0.238162  0.8126
## GroupBF     0.0319413 0.31260930  61  0.102177  0.9190
## GroupIF     0.0897360 0.29848782  61  0.300635  0.7647
## ActivityDT  1.7431694 0.06076117 300 28.688871  0.0000
##  Correlation:
##             (Intr) GropIN GropBF GropIF
## GroupIN    -0.739
## GroupBF    -0.687  0.518
## GroupIF    -0.720  0.542  0.504
## ActivityDT -0.139  0.000  0.000  0.000
##
## Standardized Within-Group Residuals:
##         Min          Q1         Med          Q3         Max
## -2.55122903 -0.54685588 -0.02736085  0.45922973  2.18086539
##
## Number of Observations: 366
## Number of Groups: 65
```




| Activity | Group | n |
|---|---|---|
| ST | BN | 43 |
| ST | IN | 55 |
| ST | BF | 40 |
| ST | IF | 45 |
| DT | BN | 43 |
| DT | IN | 55 |
| DT | BF | 40 |
| DT | IF | 45 |

## PP, 2 Groups:

### Stress Levels Across Activities

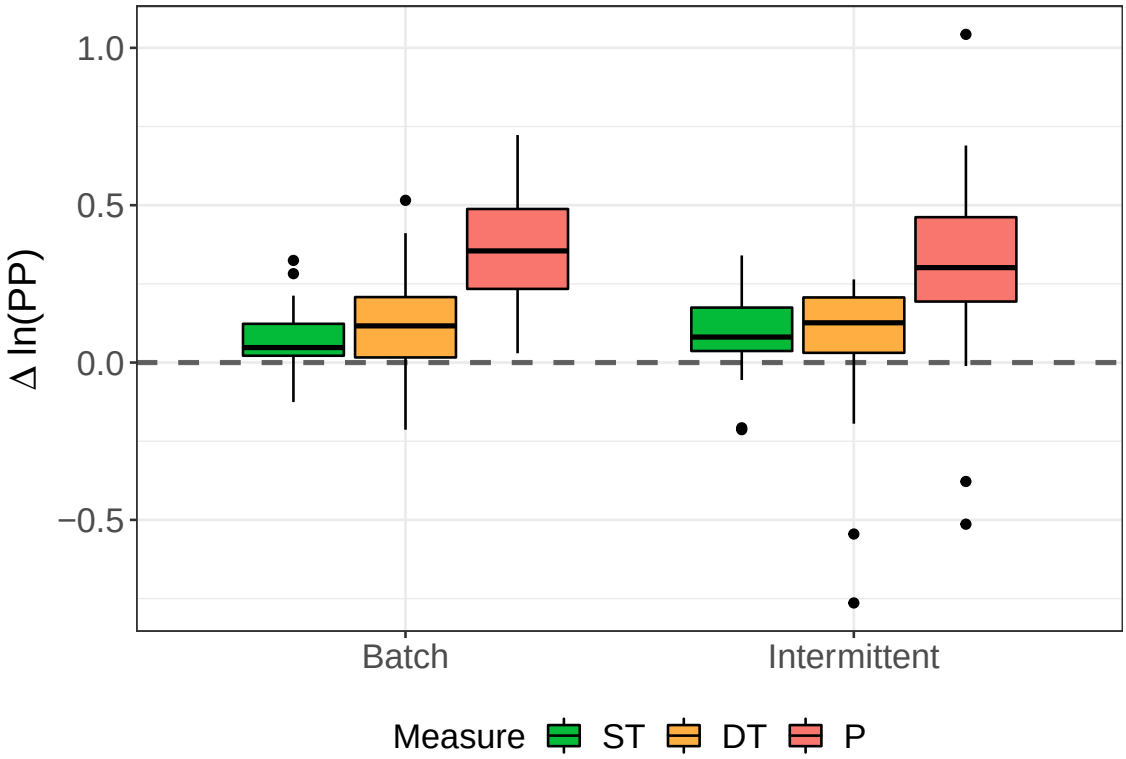
---

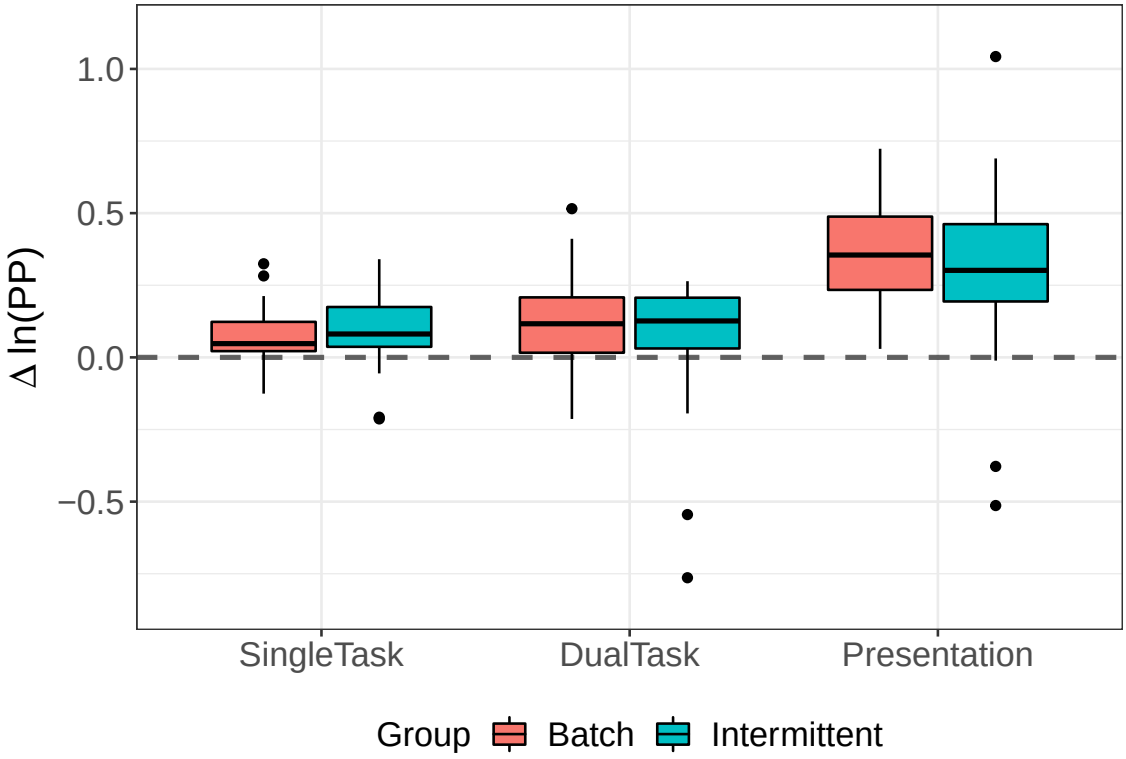
Our Linear Model:

$$\Delta ln(\bar{PP}) = 1 + Group + Activity + 1|Subject$$

---

```
## Linear mixed-effects model fit by REML
##  Data: diff_df
##         AIC       BIC   logLik
##   -190.2974 -165.4812 102.1487
##
## Random effects:
##  Formula: ~1 | Subject
##         (Intercept)  Residual
## StdDev:   0.1366331 0.1254346
##
## Fixed effects: PP ~ 1 + Group + Activity
##                         Value  Std.Error  DF   t-value p-value
## (Intercept)        0.10277792 0.03054843 192  3.364426  0.0009
## GroupIntermittent -0.02981584 0.03721068  64 -0.801271  0.4259
## ActivityB         -0.03929974 0.02194106 192 -1.791151  0.0748
## ActivityDT         0.01469432 0.02183537 192  0.672960  0.5018
## ActivityP          0.24382752 0.02204962 192 11.058130  0.0000
##  Correlation:
##                   (Intr) GrpInt ActvtB ActvDT
## GroupIntermittent -0.664
## ActivityB         -0.354 -0.003
## ActivityDT        -0.357  0.000  0.498
## ActivityP         -0.357  0.005  0.493  0.495
##
## Standardized Within-Group Residuals:
##        Min         Q1        Med         Q3        Max
## -3.7336040 -0.4020245 -0.0522257  0.4340779  4.3003452
##
## Number of Observations: 261
## Number of Groups: 66
```


1.0
0.5
0.0
−0.5
Δ ln(PP)
Batch
Intermittent
Measure
ST
DT
P


1.0
0.5
0.0
−0.5
Δ ln(PP)
SingleTask
DualTask
Presentation
Group
Batch
Intermittent

### Stress Levels for Dual Task

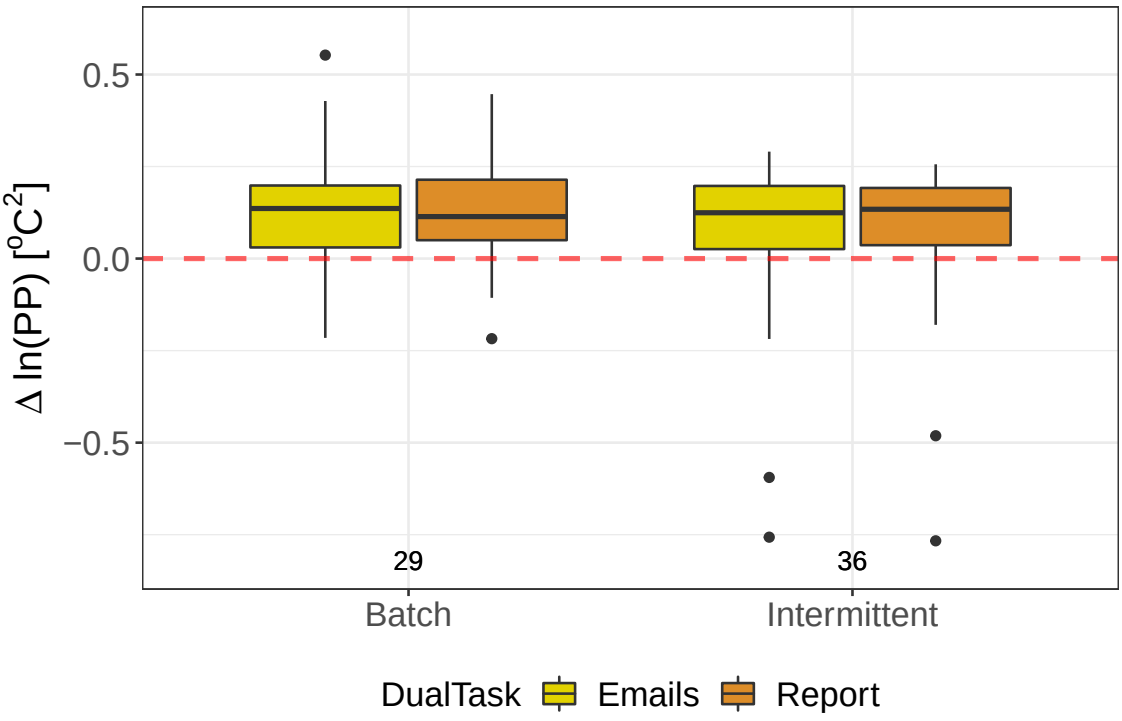
---

Our Linear Model:

$$\Delta ln(\bar{PP}) = 1 + Group + DualTask + 1|Subject$$

---

```
## Linear mixed-effects model fit by REML
##  Data: total_df
##         AIC       BIC   logLik
##   -249.3766 -235.1557 129.6883
##
## Random effects:
##  Formula: ~1 | Subject
##         (Intercept)   Residual
## StdDev:   0.1851428 0.02677144
##
## Fixed effects: PP ~ 1 + Group + DualTask
##                          Value  Std.Error DF   t-value p-value
## (Intercept)        0.13487059 0.03463907 64  3.893597  0.0002
## GroupIntermittent -0.05919015 0.04643780 63 -1.274612  0.2071
## DualTaskReport    -0.00249349 0.00469602 64 -0.530980  0.5973
##  Correlation:
##                   (Intr) GrpInt
## GroupIntermittent -0.742
## DualTaskReport    -0.068  0.000
##
## Standardized Within-Group Residuals:
##          Min           Q1          Med           Q3          Max
## -2.397230806 -0.449512451  0.006490064  0.371394466  2.075242947
##
## Number of Observations: 130
## Number of Groups: 65
```




```
## Paired t-test
## For Batch, p = 0.2975 > 0.05

## Paired t-test
## For Intermittent, p = 0.6066 > 0.05
```

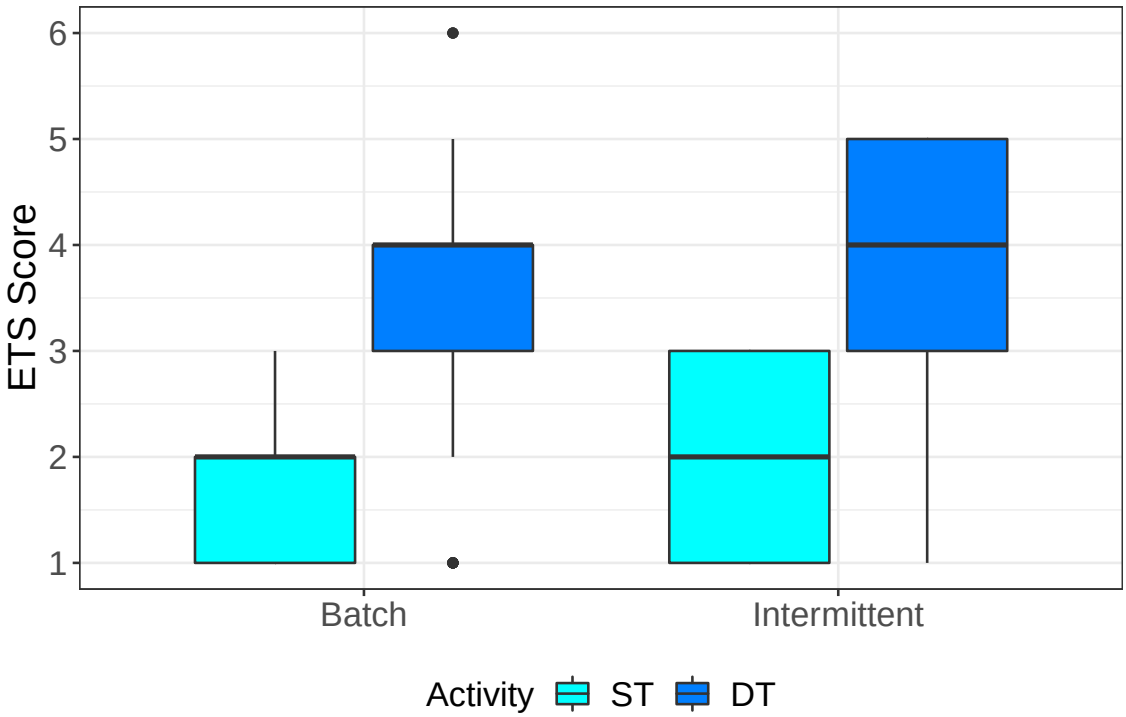
## Linear Modelling for Writing Quality

Our Linear Model:

$$WritingQuality = 1 + Group + Activity + 1|Subject$$

---

```
## Linear mixed-effects model fit by REML
##  Data: full_df
##        AIC      BIC    logLik
##   812.5732 832.0452 -401.2866
##
## Random effects:
##  Formula: ~1 | Subject
##         (Intercept)  Residual
## StdDev:   0.7903461 0.5811993
##
## Fixed effects: Score ~ 1 + Group + Activity
##                       Value  Std.Error  DF   t-value p-value
## (Intercept)       1.9645677 0.14548171 300 13.503881   0.000
## GroupIntermittent 0.0252212 0.20621865  63  0.122303   0.903
## ActivityDT        1.7431694 0.06075955 300 28.689636   0.000
##  Correlation:
##                   (Intr) GrpInt
## GroupIntermittent -0.675
## ActivityDT        -0.209  0.000
##
## Standardized Within-Group Residuals:
##         Min          Q1         Med          Q3         Max
## -2.55358078 -0.54490694 -0.02151113  0.44926958  2.16984967
##
## Number of Observations: 366
## Number of Groups: 65
```




| Activity | Group | n |
|---|---|---|
| ST | Batch | 98 |
| ST | Intermittent | 85 |
| DT | Batch | 98 |
| DT | Intermittent | 85 |

## HR, 2 Groups:

### Stress Levels Across Activities

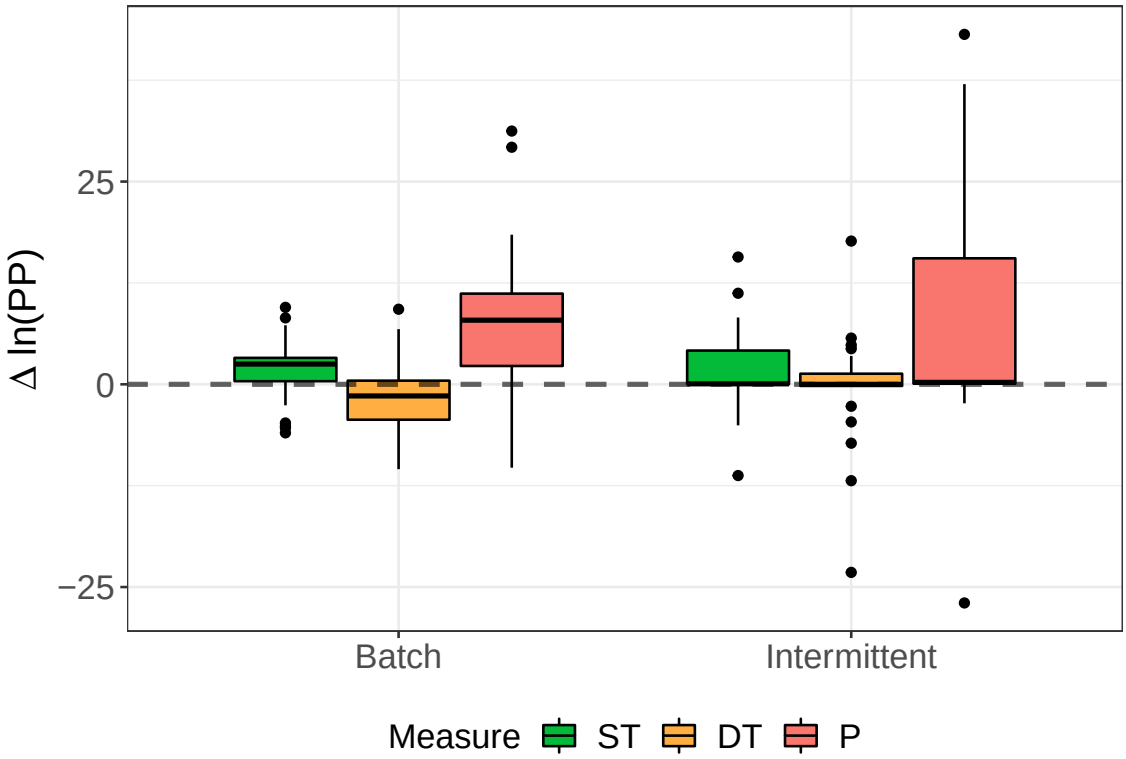
---

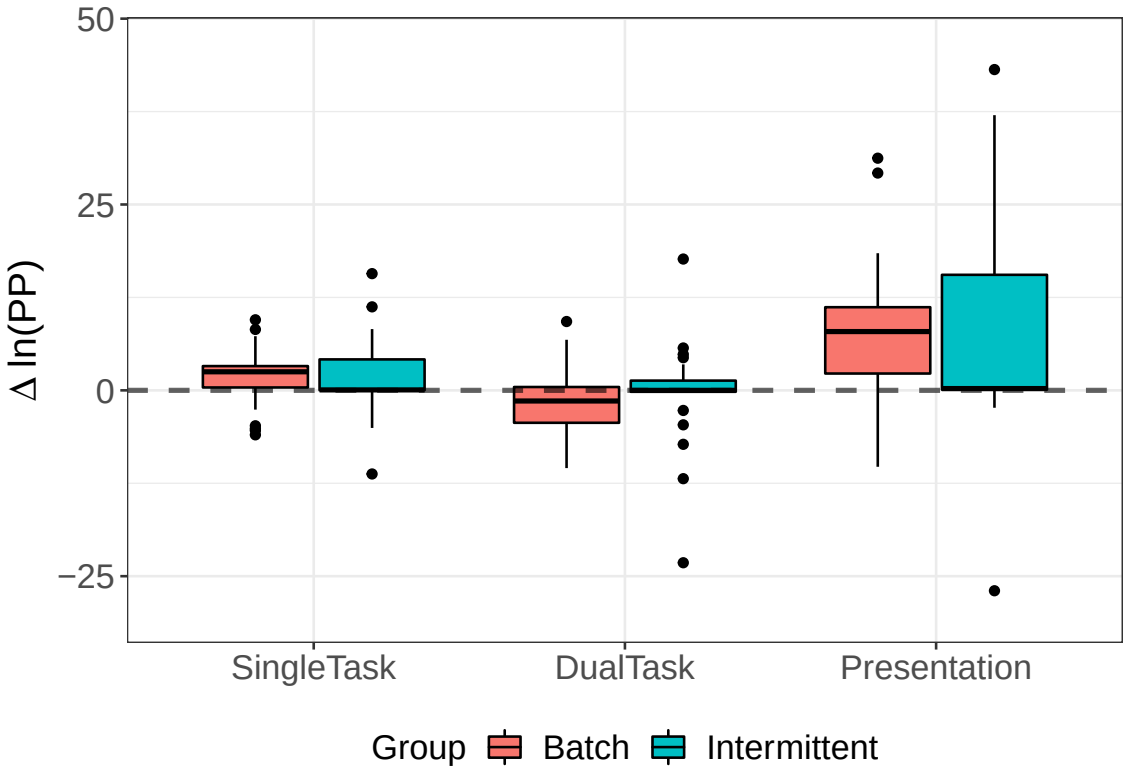
Our Linear Model:

$$\Delta\bar{HR} = 1 + Group + Activity + 1|Subject$$

---

```
## Linear mixed-effects model fit by REML
##  Data: diff_df
##        AIC      BIC    logLik
##   1408.064 1431.427 -697.0319
##
## Random effects:
##  Formula: ~1 | Subject
##         (Intercept) Residual
## StdDev:    5.107801 5.452549
##
## Fixed effects: HR ~ 1 + Group + Activity
##                       Value Std.Error  DF   t-value p-value
## (Intercept)        2.143937  1.285510 155  1.667771  0.0974
## GroupIntermittent -0.238614  1.568514  53 -0.152127  0.8797
## ActivityB         -2.454762  1.045728 155 -2.347419  0.0202
## ActivityDT        -2.983310  1.039760 155 -2.869229  0.0047
## ActivityP          5.491541  1.078591 155  5.091401  0.0000
##  Correlation:
##                   (Intr) GrpInt ActvtB ActvDT
## GroupIntermittent -0.621
## ActivityB         -0.404  0.004
## ActivityDT        -0.404  0.000  0.497
## ActivityP         -0.395  0.008  0.479  0.482
##
## Standardized Within-Group Residuals:
##          Min           Q1          Med           Q3          Max
## -3.307528856 -0.434774431  0.008940345  0.374207295  5.009845308
##
## Number of Observations: 213
## Number of Groups: 55
```


Δ ln(PP)
25
0
−25
Batch
Intermittent
Measure
ST
DT
P


Δ ln(PP)
50
25
0
−25
SingleTask
DualTask
Presentation
Group
Batch
Intermittent

### Stress Levels for Dual Task

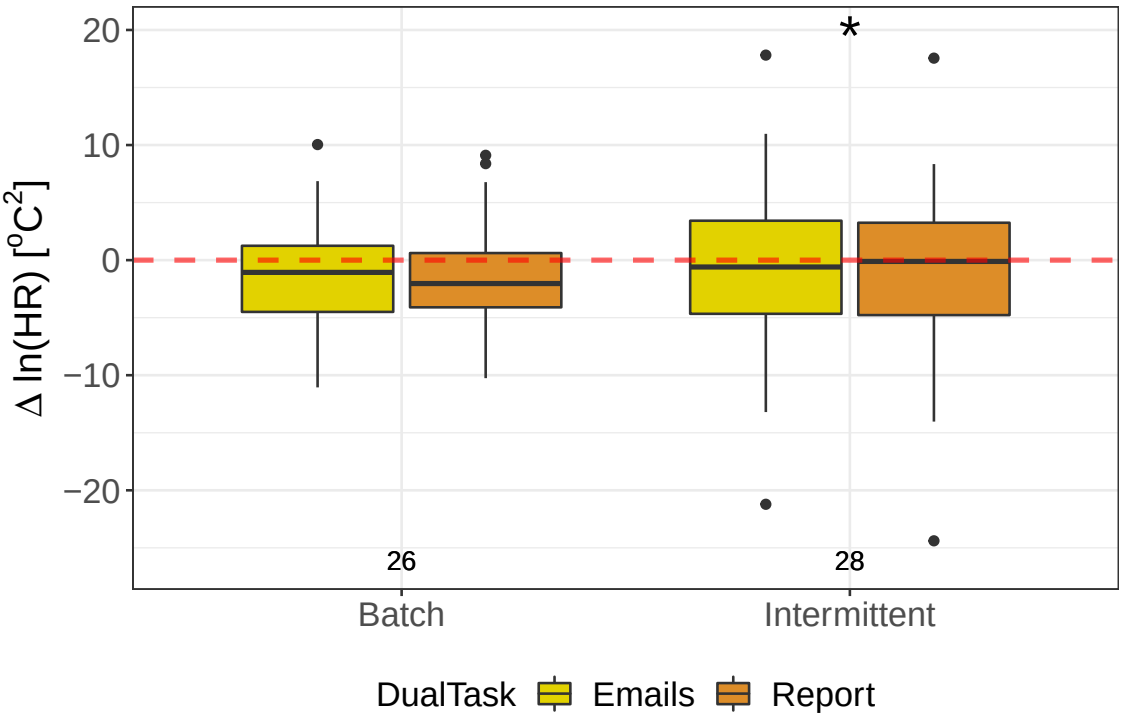
---

Our Linear Model:

$$\Delta\bar{HR} = 1 + Group + DualTask + 1|Subject$$

---

```
## Linear mixed-effects model fit by REML
##  Data: total_df
##        AIC      BIC    logLik
##   564.7997 578.0695 -277.3999
##
## Random effects:
##  Formula: ~1 | Subject
##         (Intercept) Residual
## StdDev:    6.339725 1.169079
##
## Fixed effects: HR ~ 1 + Group + DualTask
##                        Value Std.Error DF    t-value p-value
## (Intercept)       -0.9641354 1.2588841 53 -0.7658651  0.4472
## GroupIntermittent  0.0997138 1.7412561 52  0.0572655  0.9546
## DualTaskReport    -0.3896584 0.2249894 53 -1.7318966  0.0891
##  Correlation:
##                   (Intr) GrpInt
## GroupIntermittent -0.717
## DualTaskReport    -0.089  0.000
##
## Standardized Within-Group Residuals:
##         Min          Q1         Med          Q3         Max
## -2.08303345 -0.40857887  0.05106419  0.38434907  2.30886567
##
## Number of Observations: 108
## Number of Groups: 54
```




```
## Paired t-test
## For Batch, p = 0.6287 > 0.05

## Paired t-test
## For Intermittent, p = 0.0401 < 0.05  *
```

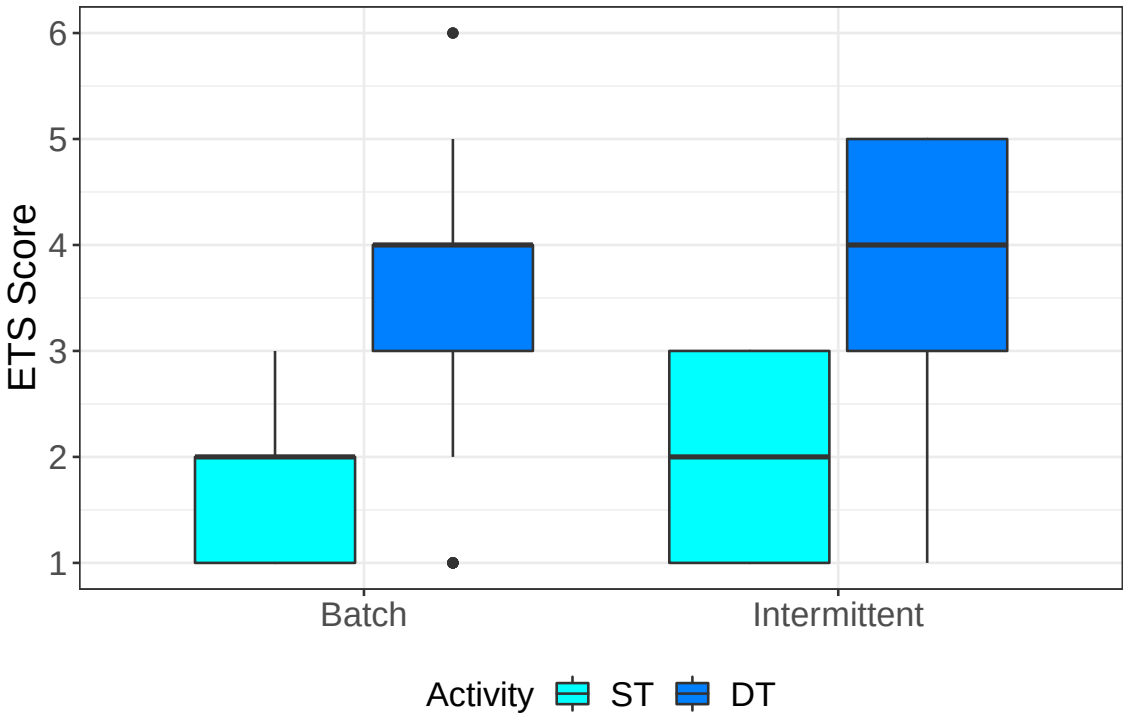
## Linear Modelling for Writing Quality

Our Linear Model:

$$WritingQuality = 1 + Group + Activity + 1|Subject$$

---

```
## Linear mixed-effects model fit by REML
##  Data: full_df
##        AIC      BIC    logLik
##   812.5732 832.0452 -401.2866
##
## Random effects:
##  Formula: ~1 | Subject
##         (Intercept)  Residual
## StdDev:   0.7903461 0.5811993
##
## Fixed effects: Score ~ 1 + Group + Activity
##                       Value  Std.Error  DF   t-value p-value
## (Intercept)       1.9645677 0.14548171 300 13.503881   0.000
## GroupIntermittent 0.0252212 0.20621865  63  0.122303   0.903
## ActivityDT        1.7431694 0.06075955 300 28.689636   0.000
##  Correlation:
##                   (Intr) GrpInt
## GroupIntermittent -0.675
## ActivityDT        -0.209  0.000
##
## Standardized Within-Group Residuals:
##         Min          Q1         Med          Q3         Max
## -2.55358078 -0.54490694 -0.02151113  0.44926958  2.16984967
##
## Number of Observations: 366
## Number of Groups: 65
```




| Activity | Group | n |
|---|---|---|
| ST | Batch | 98 |
| ST | Intermittent | 85 |
| DT | Batch | 98 |
| DT | Intermittent | 85 |

## Let's Get to 10 $\star$ with Four Groups

Our Linear Model:

$$\Delta ln(\bar{PP}) = 1 + ETSScore + Group + Activity + 1|Subject$$

---

```
## Linear mixed-effects model fit by REML
##  Data: full_df
##         AIC       BIC   logLik
##   -97.37338 -74.68312 56.68669
##
## Random effects:
##  Formula: ~1 | Subject
##         (Intercept)  Residual
## StdDev:   0.1160218 0.1047286
##
## Fixed effects: PP ~ 1 + ETSScore + Group + Activity
##                   Value  Std.Error DF    t-value p-value
## (Intercept)  0.07830843 0.04478419 65  1.7485732  0.0851
## ETSScore     0.00632252 0.01347347 65  0.4692574  0.6405
## GroupIN     -0.02413960 0.04745506 61 -0.5086834  0.6128
## GroupBF     -0.00071965 0.05114987 61 -0.0140695  0.9888
## GroupIF      0.00261483 0.04877144 61  0.0536139  0.9574
## ActivityDT   0.00308268 0.03020997 65  0.1020418  0.9190
##  Correlation:
##             (Intr) ETSScr GropIN GropBF GropIF
## ETSScore    -0.573
## GroupIN     -0.584 -0.017
## GroupBF     -0.548 -0.006  0.520
## GroupIF     -0.565 -0.023  0.546  0.506
## ActivityDT  0.334 -0.797  0.014  0.005  0.018
##
## Standardized Within-Group Residuals:
##         Min          Q1         Med          Q3         Max
## -4.25944641 -0.30605522 -0.01964231  0.33825689  2.33237928
##
## Number of Observations: 132
## Number of Groups: 65
```

## Hey! Let's ANOVA!

Our ANOVA Model:

$$\Delta ln(\bar{PP}) = 1 + StressFactor + IntermittentFactor$$

---

```
##                    Df Sum Sq Mean Sq F value Pr(>F)
## StressFactor        1 0.0059 0.00592   0.166  0.685
## IntermittentFactor  1 0.0548 0.05480   1.540  0.219
## Residuals          63 2.2425 0.03560
```

```
##   Tukey multiple comparisons of means
##     95% family-wise confidence level
##
## Fit: aov(formula = PP ~ 1 + StressFactor + IntermittentFactor, data = diff_df, na.action = na.omi
##
## $StressFactor
##                 diff         lwr       upr     p adj
## High-Low 0.01895161 -0.07390701 0.1118102 0.6847714
##
## $IntermittentFactor
##                                       diff      lwr        upr     p adj
## Intermittent-Non-Intermittent -0.05784808 -0.15105 0.03535383 0.2194568
```

## Now a Linear Model Very Close to the ANOVA One Above:

Our Linear Model:

$$\Delta ln(\bar{PP}) = 1 + StressIndicator + IntermittencyIndicator + 1|Subjects$$

---

```
## Linear mixed-effects model fit by REML
##  Data: diff_df
##         AIC        BIC  logLik
##   -11.56681 -0.8511323 10.7834
##
## Random effects:
##  Formula: ~1 | Subject
##         (Intercept)   Residual
## StdDev:   0.1766541 0.06624529
##
## Fixed effects: PP ~ 1 + StressFactor + IntermittentFactor
##                                       Value  Std.Error DF    t-value
## (Intercept)                        0.12437204 0.04155398 63  2.9930235
## StressFactorHigh                   0.01735531 0.04648567 63  0.3733476
## IntermittentFactorIntermittent -0.05789242 0.04665752 63 -1.2407949
##                                   p-value
## (Intercept)                        0.0039
## StressFactorHigh                   0.7101
## IntermittentFactorIntermittent     0.2193
##  Correlation:
##                                   (Intr) StrsFH
## StressFactorHigh                  -0.559
## IntermittentFactorIntermittent -0.627  0.028
##
## Standardized Within-Group Residuals:
##         Min          Q1         Med          Q3         Max
## -1.54542253 -0.12218771  0.03174836  0.21097440  0.72781883
##
## Number of Observations: 66
## Number of Groups: 66
```

## Hey! Let's ANOVA 2: With Interaction Effects

Our ANOVA Model:

$$\Delta ln(\bar{PP}) = 1 + StressFactor + IntermittentFactor + StressFactor * IntermittentFactor$$

---

```
##                                 Df Sum Sq Mean Sq F value Pr(>F)
## StressFactor                     1 0.0059 0.00592   0.165  0.686
## IntermittentFactor               1 0.0548 0.05480   1.529  0.221
## StressFactor:IntermittentFactor  1 0.0203 0.02032   0.567  0.454
## Residuals                       62 2.2222 0.03584
```

```
##   Tukey multiple comparisons of means
##     95% family-wise confidence level
##
## Fit: aov(formula = PP ~ 1 + StressFactor * IntermittentFactor, data = diff_df, na.action = na.omi
##
## $StressFactor
##                diff        lwr       upr     p adj
## High-Low 0.01895161 -0.0742573 0.1121605 0.6858197
##
## $IntermittentFactor
##                                      diff        lwr        upr     p adj
## Intermittent-Non-Intermittent -0.05784808 -0.1514016 0.03570542 0.2211031
##
## $`StressFactor:IntermittentFactor`
##                                                 diff        lwr
## High:Non-Intermittent-Low:Non-Intermittent -0.02105726 -0.2035659
## Low:Intermittent-Low:Non-Intermittent      -0.09226156 -0.2648975
## High:Intermittent-Low:Non-Intermittent     -0.04279667 -0.2198561
## Low:Intermittent-High:Non-Intermittent     -0.07120430 -0.2438402
## High:Intermittent-High:Non-Intermittent    -0.02173941 -0.1987988
## High:Intermittent-Low:Intermittent          0.04946489 -0.1173997
##                                                 upr     p adj
## High:Non-Intermittent-Low:Non-Intermittent 0.16145142 0.9900928
## Low:Intermittent-Low:Non-Intermittent      0.08037437 0.4974272
## High:Intermittent-Low:Non-Intermittent     0.13426276 0.9192577
## Low:Intermittent-High:Non-Intermittent     0.10143163 0.6975664
## High:Intermittent-High:Non-Intermittent    0.15532002 0.9881176
## High:Intermittent-Low:Intermittent         0.21632947 0.8620509
```