Advanced Analysis

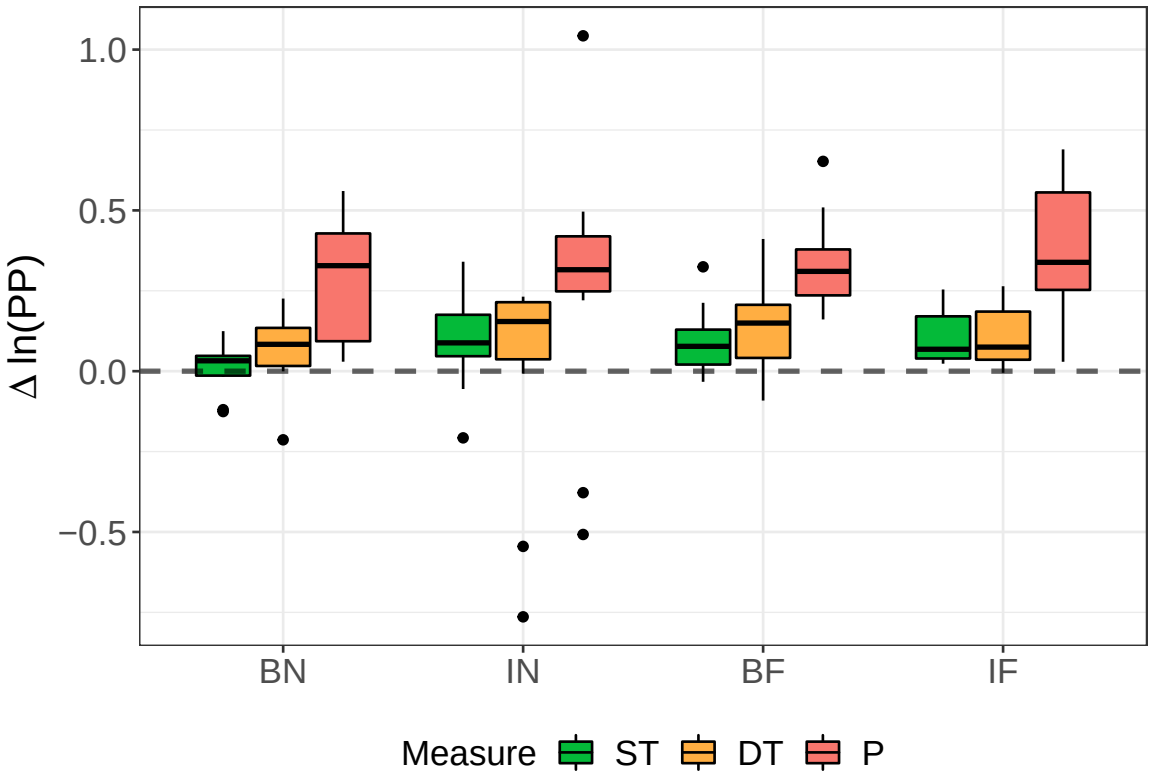
PP, 4 Groups:

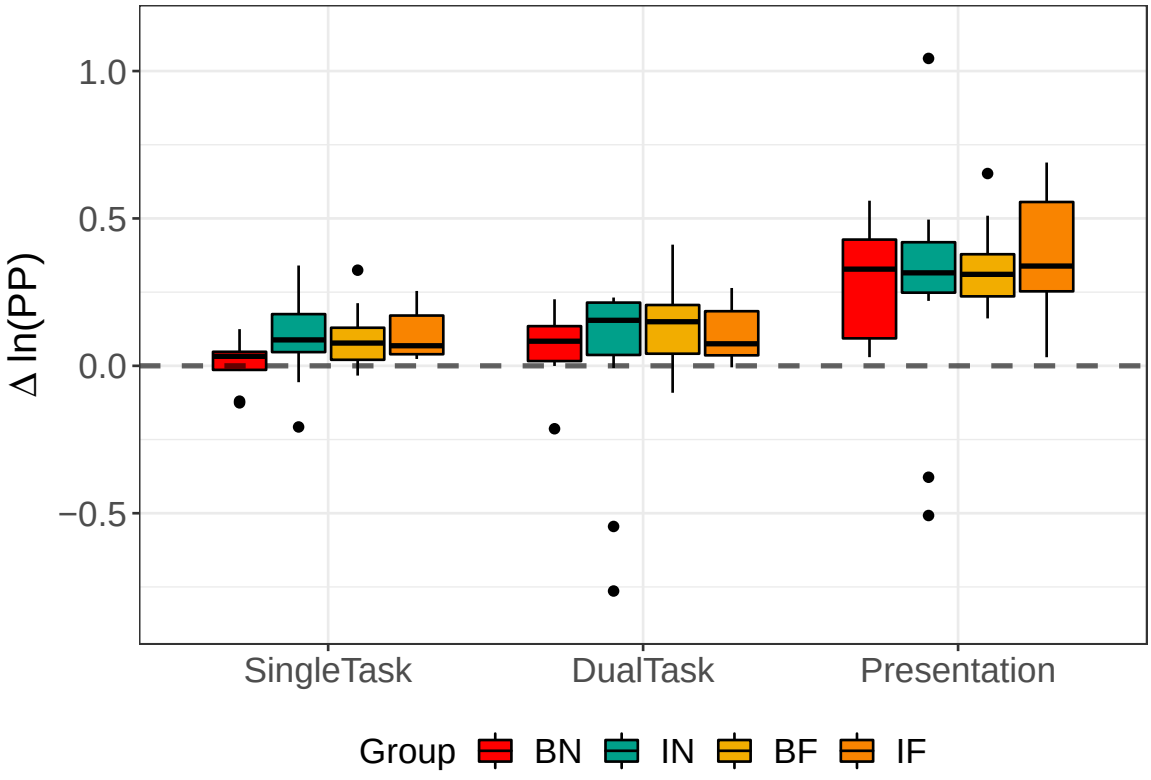
Stress Levels Across Activities

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
##   -100.7755 -72.08906 59.38777
##
## Random effects:
##  Formula: ~1 | Subject
##         (Intercept)  Residual
## StdDev:   0.1380118 0.1323907
##
## Fixed effects: PP ~ 1 + Group + Activity
##                   Value  Std.Error  DF   t-value p-value
## (Intercept)  0.04721577 0.05122407 136  0.921750  0.3583
## GroupIN      0.01036870 0.06349138  43  0.163309  0.8710
## GroupBF      0.06502982 0.06687916  43  0.972348  0.3363
## GroupIF      0.07514287 0.06553876  43  1.146541  0.2579
## ActivityB   -0.04920368 0.02731011 136 -1.801665  0.0738
## ActivityDT   0.00167283 0.02731011 136  0.061253  0.9512
## ActivityP    0.23554675 0.02769067 136  8.506358  0.0000
##  Correlation:
##            (Intr) GropIN GropBF GropIF ActvtB ActvDT
## GroupIN    -0.722
## GroupBF    -0.684  0.552
## GroupIF    -0.698  0.563  0.535
## ActivityB  -0.267  0.000  0.000  0.000
## ActivityDT -0.267  0.000  0.000  0.000  0.500
## ActivityP  -0.267  0.010  0.000  0.000  0.493  0.493
##
## Standardized Within-Group Residuals:
##         Min          Q1         Med          Q3         Max
## -3.50904046 -0.38462090 -0.07335409  0.42173828  4.13294198
##
## Number of Observations: 186
## Number of Groups: 47
```


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

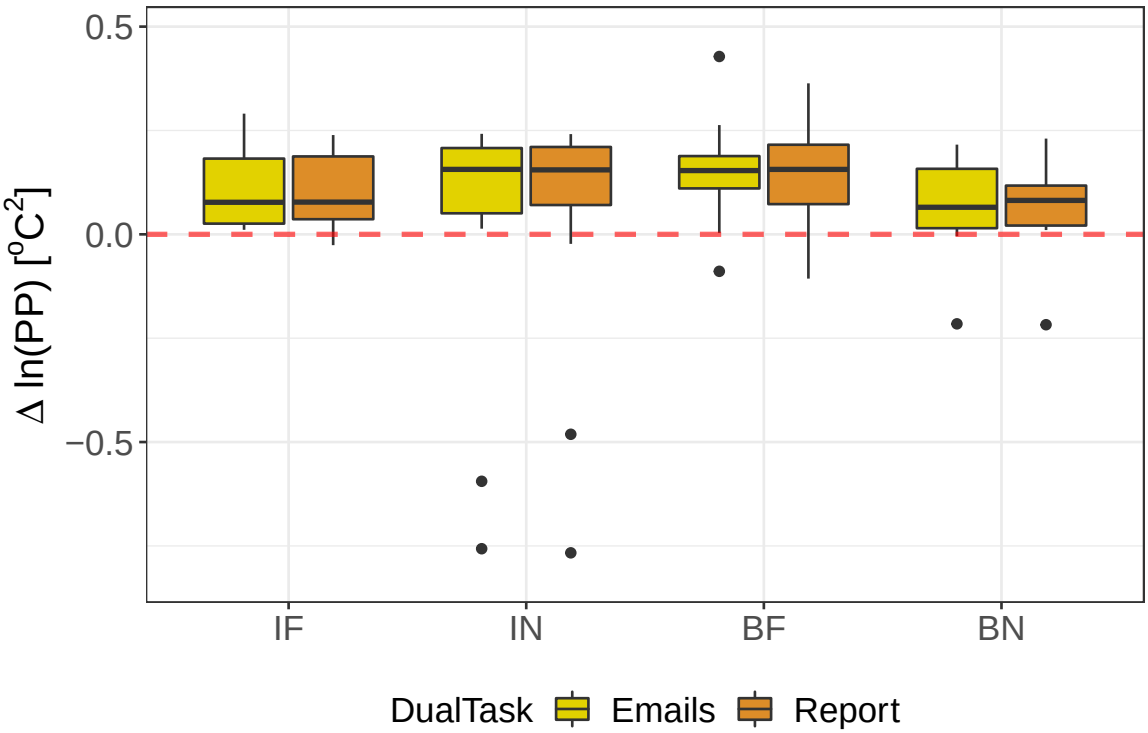

1.0
0.5
0.0
−0.5
Δ ln(PP)
SingleTask
DualTask
Presentation
Group
BN
IN
BF
IF

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
##   -160.2725 -143.0111 87.13623
##
## Random effects:
##  Formula: ~1 | Subject
##         (Intercept)   Residual
## StdDev:   0.1937959 0.02600447
##
## Fixed effects: PP ~ 1 + Group + DualTask
##                       Value  Std.Error DF    t-value p-value
## (Intercept)     0.06753584 0.06161855 45  1.0960309  0.2789
## GroupIN        -0.02776261 0.08059949 42 -0.3444515  0.7322
## GroupBF         0.07685084 0.08705740 42  0.8827605  0.3824
## GroupIF         0.04266545 0.08335112 42  0.5118762  0.6114
## DualTaskReport -0.00096675 0.00542231 45 -0.1782904  0.8593
##  Correlation:
##                (Intr) GropIN GropBF GropIF
## GroupIN        -0.763
## GroupBF        -0.706  0.540
## GroupIF        -0.738  0.564  0.522
## DualTaskReport -0.044  0.000  0.000  0.000
##
## Standardized Within-Group Residuals:
##         Min          Q1         Med          Q3         Max
## -2.39299615 -0.41471375 -0.04275454  0.38398789  1.99694259
##
## Number of Observations: 92
## Number of Groups: 46
```



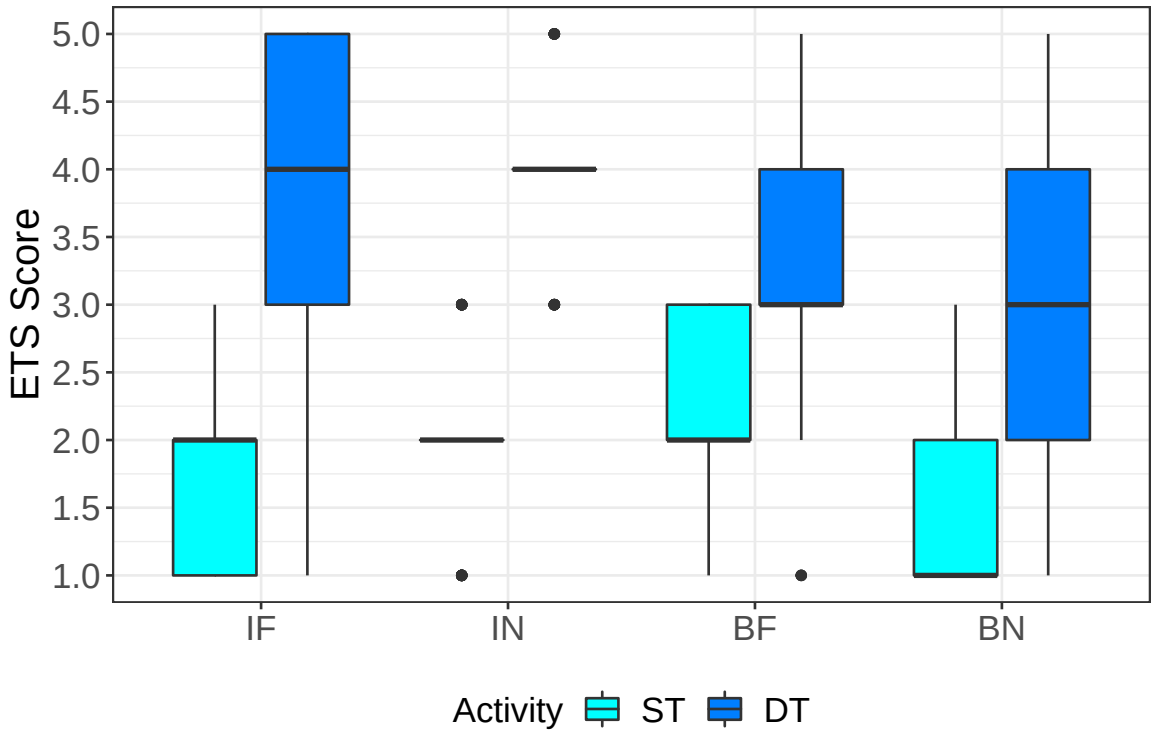

```
## Paired t-test
## For IF, p = 0.8252 > 0.05

## Paired t-test
## For IN, p = 0.4203 > 0.05

## Paired t-test
## For BF, p = 0.3094 > 0.05

## Paired t-test
## For BN, p = 0.8078 > 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
##   697.8734 724.2734 -341.9367
##
## Random effects:
##  Formula: ~1 | Subject
##         (Intercept)  Residual
## StdDev:   0.7689905 0.5722187
##
## Fixed effects: Score ~ 1 + Group + Activity
##                 Value Std.Error  DF   t-value p-value
## (Intercept) 1.5610345 0.2529868 278  6.170420  0.0000
## GroupIN     0.5402150 0.3296869  43  1.638570  0.1086
## GroupBF     0.2955069 0.3499996  43  0.844307  0.4032
## GroupIF     0.3993975 0.3433014  43  1.163402  0.2511
## ActivityDT  1.6687117 0.0633845 278 26.326798  0.0000
##  Correlation:
##             (Intr) GropIN GropBF GropIF
## GroupIN    -0.755
## GroupBF    -0.711  0.546
## GroupIF    -0.725  0.557  0.524
## ActivityDT -0.125  0.000  0.000  0.000
##
## Standardized Within-Group Residuals:
##        Min         Q1        Med         Q3        Max
## -2.5230734 -0.4648508 -0.0225283  0.4466347  2.2498012
##
## Number of Observations: 326
## Number of Groups: 47
```



Activity	Group	n
ST	BN	44
ST	IN	56
ST	BF	31
ST	IF	32
DT	BN	44
DT	IN	56
DT	BF	31
DT	IF	32

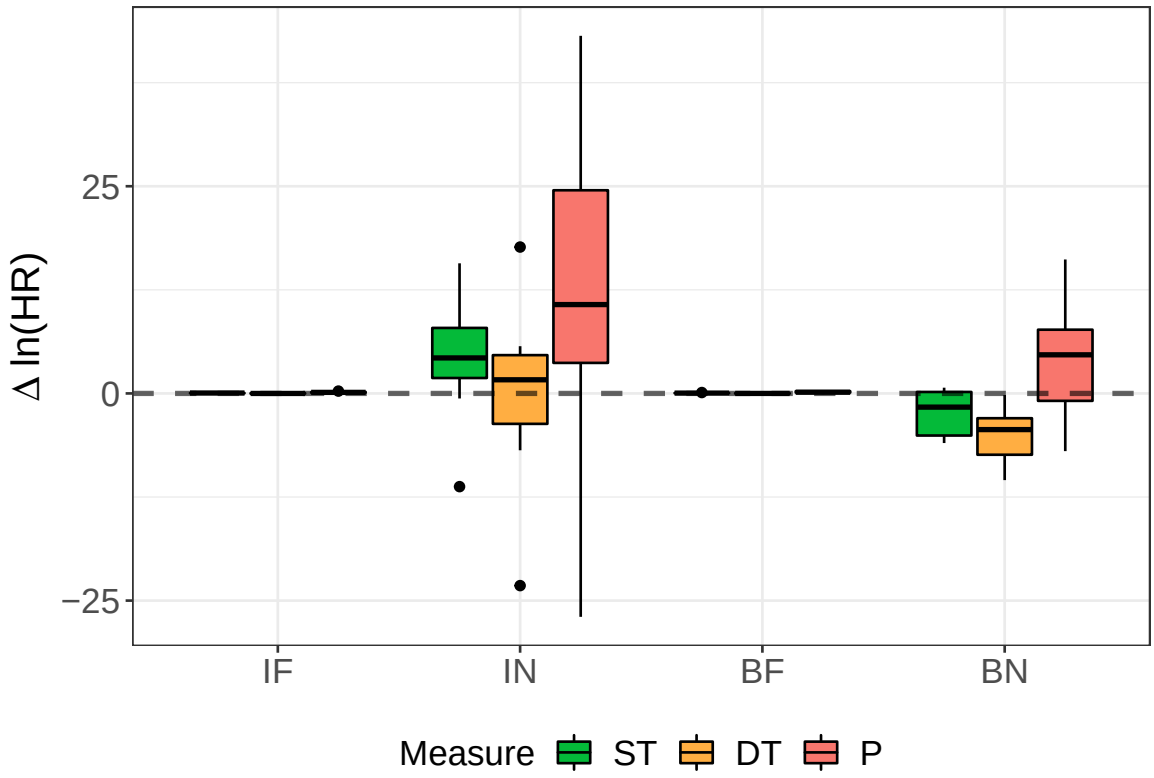
HR, 4 Groups:

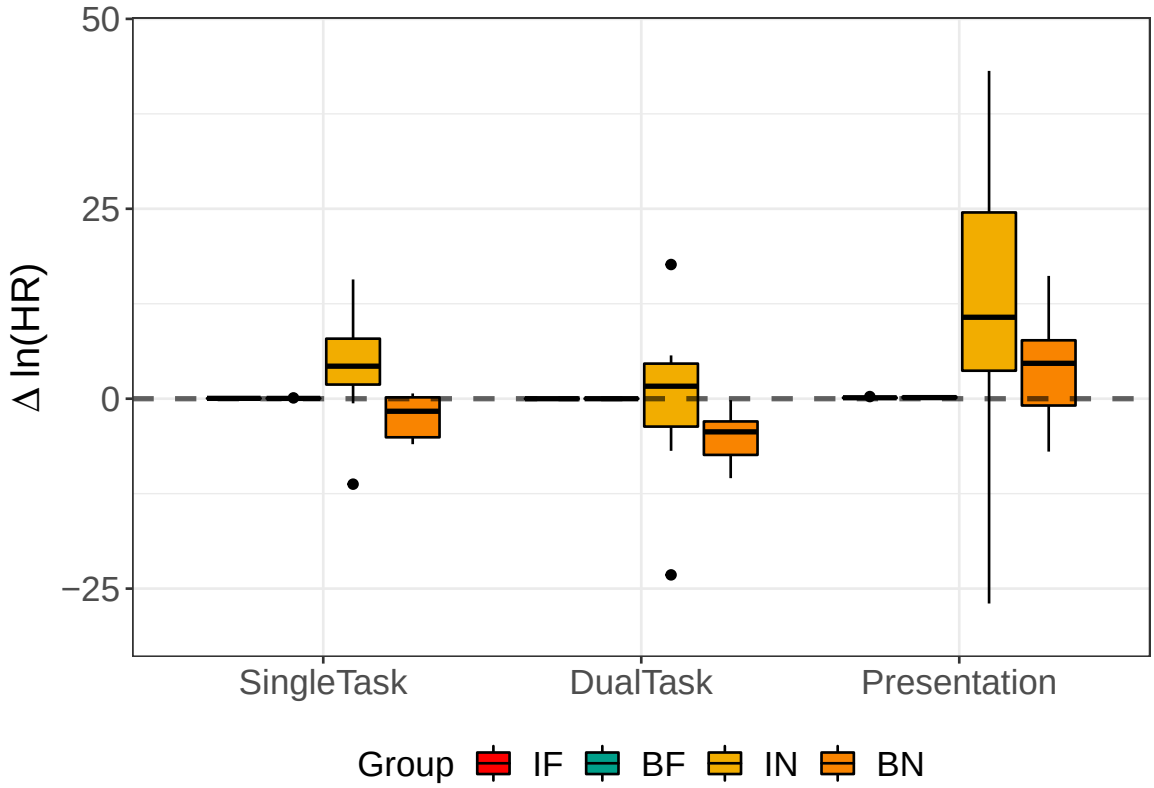
Stress Levels Across Activities

Our Linear Model:

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

```
## Linear mixed-effects model fit by REML
##  Data: diff_df
##        AIC     BIC    logLik
##   989.9277 1016.78 -485.9638
##
## Random effects:
##  Formula: ~1 | Subject
##         (Intercept) Residual
## StdDev:    4.885882 5.196435
##
## Fixed effects: HR ~ 1 + Group + Activity
##                 Value Std.Error  DF    t-value p-value
## (Intercept) -0.603511  2.090666 111 -0.2886691  0.7734
## GroupIN      4.885570  2.535247  35  1.9270589  0.0621
## GroupBF      0.730456  2.631344  35  0.2775979  0.7830
## GroupIF      0.841622  2.699899  35  0.3117236  0.7571
## ActivityB   -1.890994  1.176761 111 -1.6069488  0.1109
## ActivityDT  -2.009436  1.176761 111 -1.7075994  0.0905
## ActivityP    3.653304  1.206892 111  3.0270342  0.0031
##  Correlation:
##             (Intr) GropIN GropBF GropIF ActvtB ActvDT
## GroupIN     -0.728
## GroupBF     -0.701  0.579
## GroupIF     -0.684  0.564  0.543
## ActivityB   -0.281  0.000  0.000  0.000
## ActivityDT -0.281  0.000  0.000  0.000  0.500
## ActivityP   -0.270 -0.003 -0.009 -0.001  0.488  0.488
##
## Standardized Within-Group Residuals:
##          Min           Q1          Med           Q3          Max
## -3.223767328 -0.577426785 -0.004375341  0.354327396  5.495756663
##
## Number of Observations: 153
## Number of Groups: 39
```


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

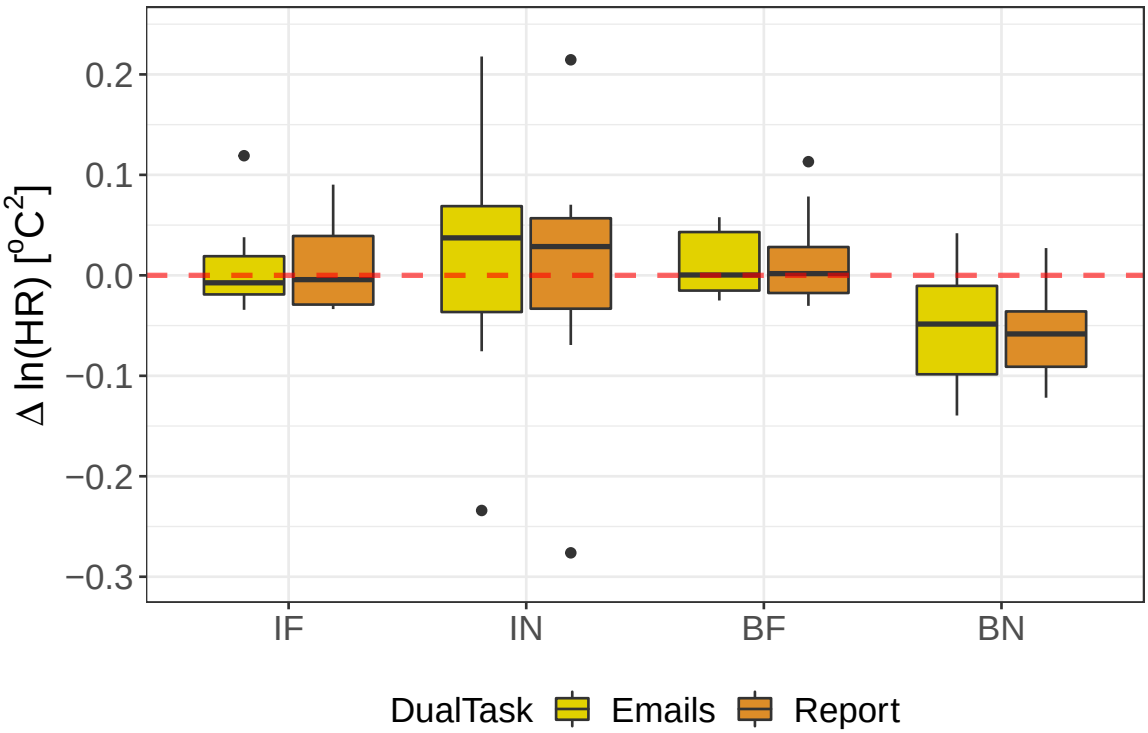

Δ ln(HR)
50
25
0
−25
SingleTask
DualTask
Presentation
Group
IF
BF
IN
BN

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
##   -228.6533 -212.8146 121.3267
##
## Random effects:
##  Formula: ~1 | Subject
##         (Intercept)   Residual
## StdDev:  0.07366356 0.01603921
##
## Fixed effects: HR ~ 1 + Group + DualTask
##                       Value  Std.Error DF    t-value p-value
## (Intercept)    -0.05349051 0.02641502 37 -2.0250034  0.0501
## GroupIN         0.06662486 0.03401883 34  1.9584700  0.0584
## GroupBF         0.07014859 0.03621581 34  1.9369604  0.0611
## GroupIF         0.06408072 0.03621581 34  1.7694130  0.0858
## DualTaskReport -0.00359930 0.00367965 37 -0.9781645  0.3343
##  Correlation:
##                (Intr) GropIN GropBF GropIF
## GroupIN        -0.773
## GroupBF        -0.726  0.564
## GroupIF        -0.726  0.564  0.529
## DualTaskReport -0.070  0.000  0.000  0.000
##
## Standardized Within-Group Residuals:
##          Min           Q1          Med           Q3          Max
## -1.733482158 -0.383032025 -0.008316809  0.328698614  1.937435511
##
## Number of Observations: 76
## Number of Groups: 38
```



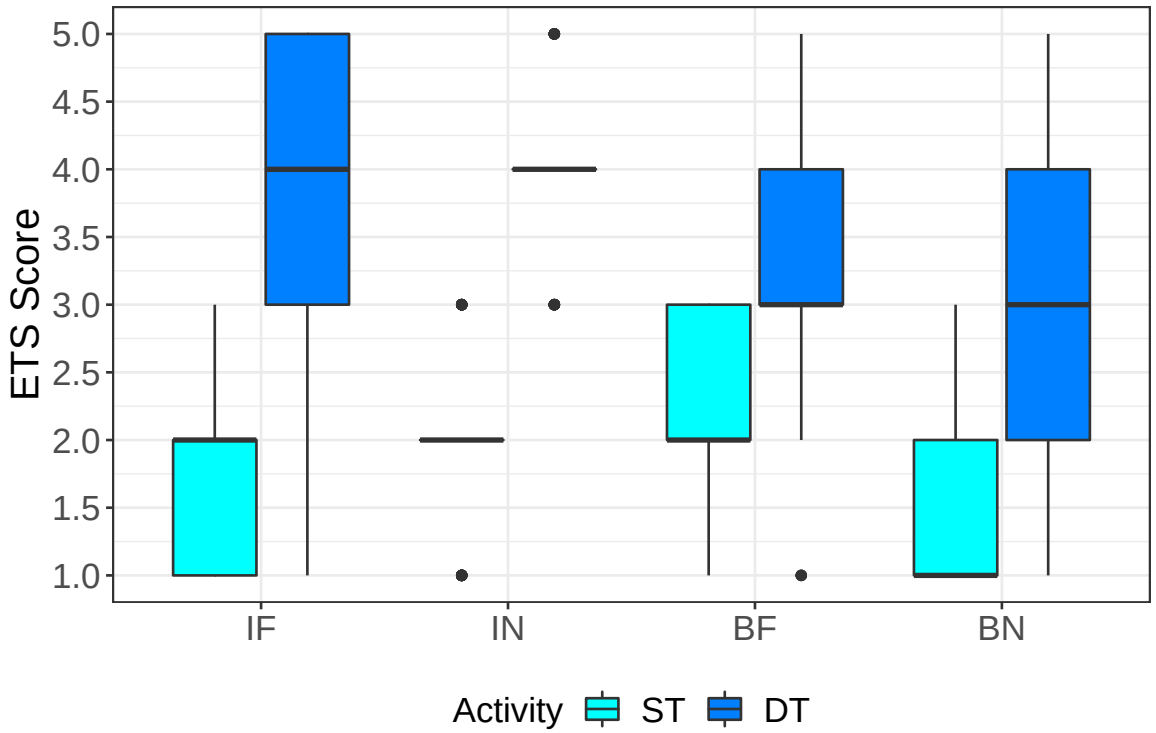

```
## Paired t-test
## For IF, p = 0.7594 > 0.05

## Paired t-test
## For IN, p = 0.0931 > 0.05

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

## Paired t-test
## For BN, p = 0.5961 > 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
##   697.8734 724.2734 -341.9367
##
## Random effects:
##  Formula: ~1 | Subject
##         (Intercept)  Residual
## StdDev:   0.7689905 0.5722187
##
## Fixed effects: Score ~ 1 + Group + Activity
##                 Value Std.Error  DF   t-value p-value
## (Intercept) 1.5610345 0.2529868 278  6.170420  0.0000
## GroupIN     0.5402150 0.3296869  43  1.638570  0.1086
## GroupBF     0.2955069 0.3499996  43  0.844307  0.4032
## GroupIF     0.3993975 0.3433014  43  1.163402  0.2511
## ActivityDT  1.6687117 0.0633845 278 26.326798  0.0000
##  Correlation:
##             (Intr) GropIN GropBF GropIF
## GroupIN    -0.755
## GroupBF    -0.711  0.546
## GroupIF    -0.725  0.557  0.524
## ActivityDT -0.125  0.000  0.000  0.000
##
## Standardized Within-Group Residuals:
##        Min         Q1        Med         Q3        Max
## -2.5230734 -0.4648508 -0.0225283  0.4466347  2.2498012
##
## Number of Observations: 326
## Number of Groups: 47
```



Activity	Group	n
ST	BN	44
ST	IN	56
ST	BF	31
ST	IF	32
DT	BN	44
DT	IN	56
DT	BF	31
DT	IF	32

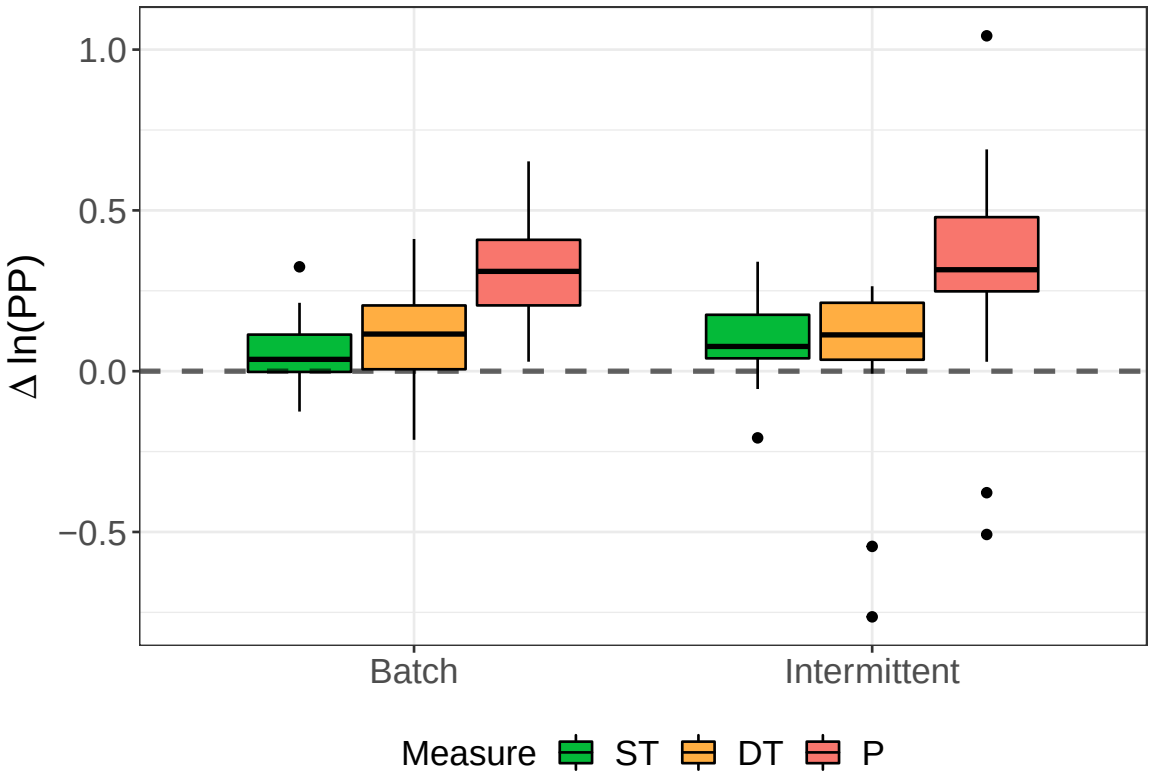
PP, 2 Groups:

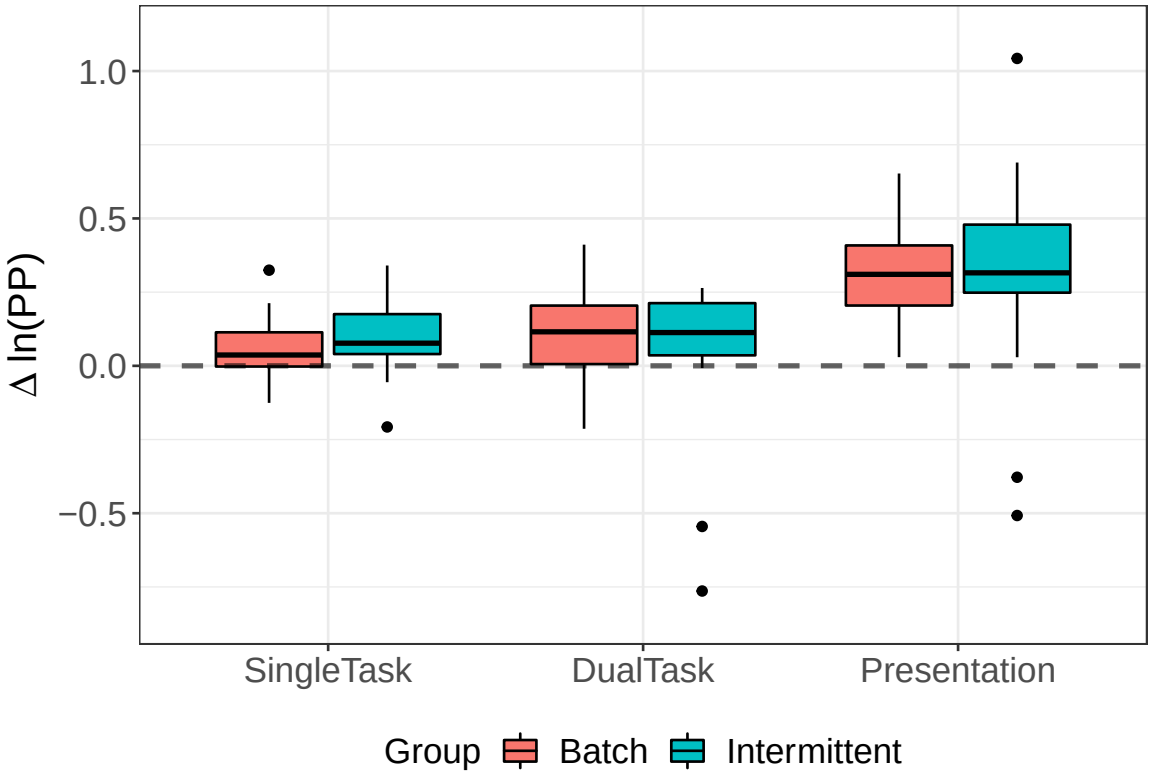
Stress Levels Across Activities

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
##   -110.0274 -87.63789 62.01368
##
## Random effects:
##  Formula: ~1 | Subject
##         (Intercept)  Residual
## StdDev:   0.1382465 0.1323786
##
## Fixed effects: PP ~ 1 + Group + Activity
##                         Value  Std.Error  DF   t-value p-value
## (Intercept)        0.08120047 0.03741207 136  2.170435  0.0317
## GroupIntermittent  0.00634321 0.04501733  45  0.140906  0.8886
## ActivityB         -0.04920368 0.02730762 136 -1.801829  0.0738
## ActivityDT         0.00167283 0.02730762 136  0.061259  0.9512
## ActivityP          0.23586093 0.02768668 136  8.518932  0.0000
##  Correlation:
##                   (Intr) GrpInt ActvtB ActvDT
## GroupIntermittent -0.666
## ActivityB         -0.365  0.000
## ActivityDT        -0.365  0.000  0.500
## ActivityP         -0.365  0.008  0.493  0.493
##
## Standardized Within-Group Residuals:
##         Min          Q1         Med          Q3         Max
## -3.55175432 -0.38157503 -0.09362791  0.43434878  4.08820085
##
## Number of Observations: 186
## Number of Groups: 47
```


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

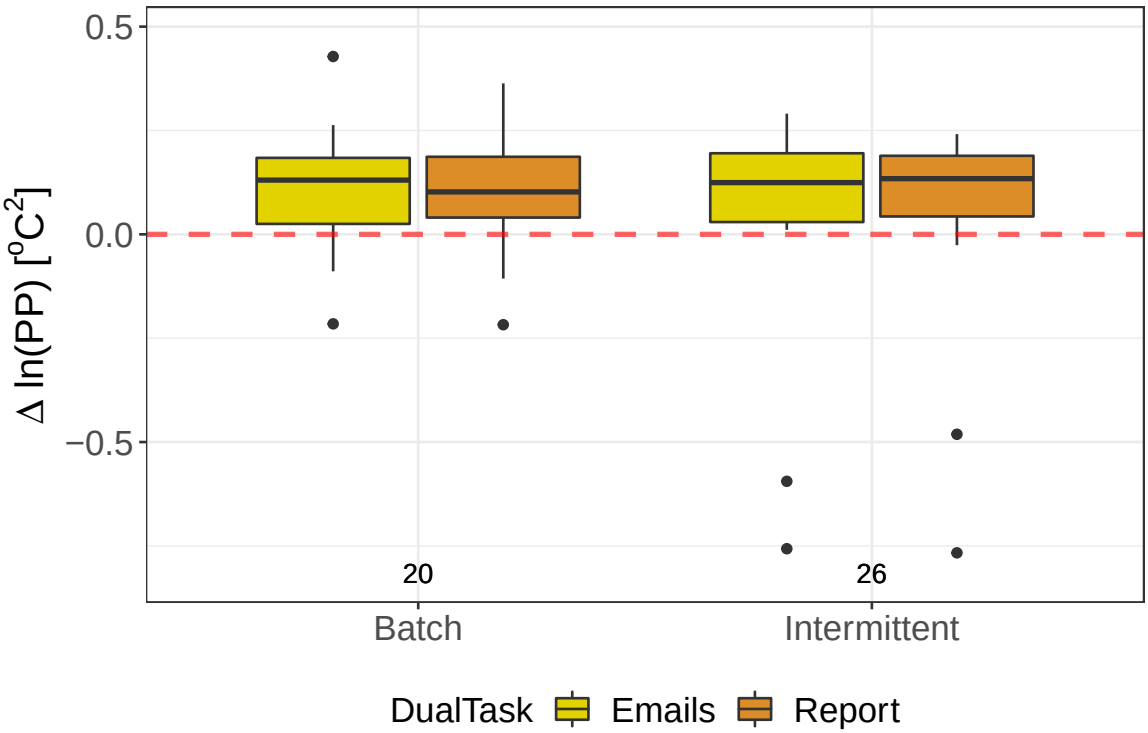

1.0
0.5
0.0
−0.5
Δ ln(PP)
SingleTask
DualTask
Presentation
Group
Batch
Intermittent

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
##   -168.9945 -156.5513 89.49724
##
## Random effects:
##  Formula: ~1 | Subject
##         (Intercept)   Residual
## StdDev:   0.1929609 0.02600447
##
## Fixed effects: PP ~ 1 + Group + DualTask
##                           Value  Std.Error DF    t-value p-value
## (Intercept)        0.10596126 0.04342754 45  2.4399551  0.0187
## GroupIntermittent -0.03368277 0.05765136 44 -0.5842494  0.5620
## DualTaskReport    -0.00096675 0.00542231 45 -0.1782905  0.8593
##  Correlation:
##                   (Intr) GrpInt
## GroupIntermittent -0.750
## DualTaskReport    -0.062  0.000
##
## Standardized Within-Group Residuals:
##         Min          Q1         Med          Q3         Max
## -2.40594739 -0.42162352 -0.04168161  0.37842759  1.98399217
##
## Number of Observations: 92
## Number of Groups: 46
```



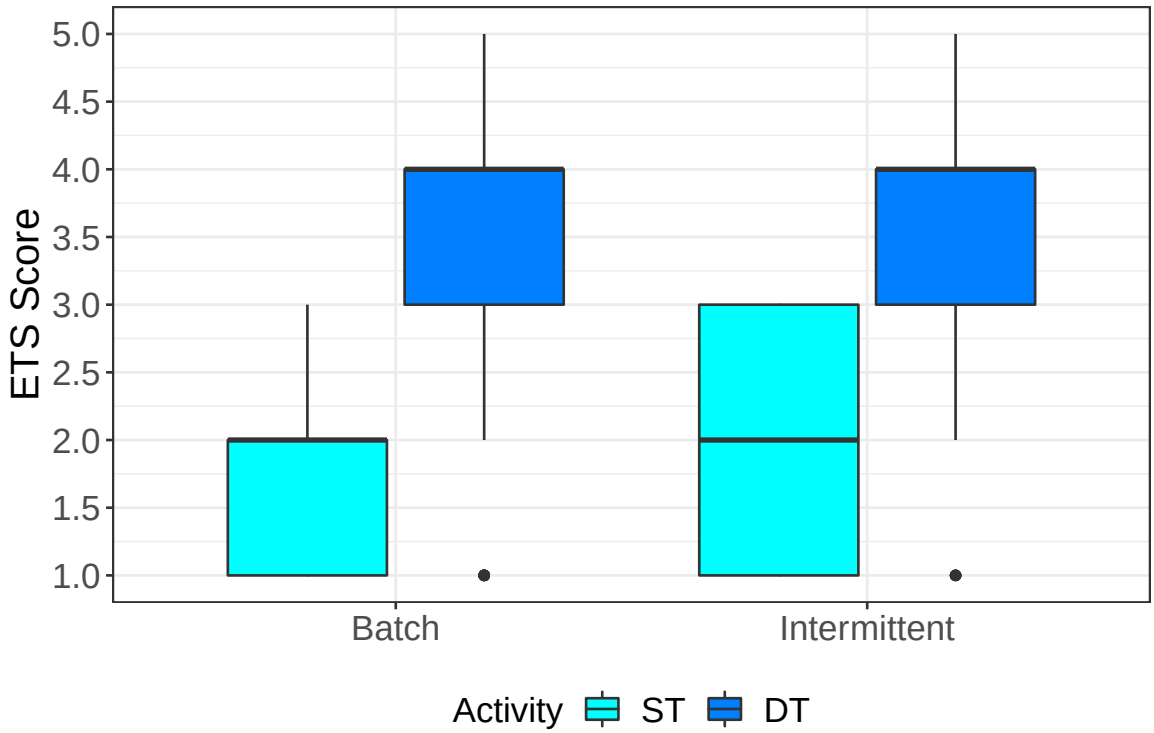

```
## Paired t-test
## For Batch, p = 0.4416 > 0.05

## Paired t-test
## For Intermittent, p = 0.5658 > 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
##   695.9315 714.8197 -342.9657
##
## Random effects:
##  Formula: ~1 | Subject
##         (Intercept)  Residual
## StdDev:   0.7774946 0.5720793
##
## Fixed effects: Score ~ 1 + Group + Activity
##                       Value  Std.Error  DF   t-value p-value
## (Intercept)       1.8741404 0.16744105 278 11.192837  0.0000
## GroupIntermittent 0.0363597 0.23695320  45  0.153447  0.8787
## ActivityDT        1.6687117 0.06336908 278 26.333216  0.0000
##  Correlation:
##                   (Intr) GrpInt
## GroupIntermittent -0.681
## ActivityDT        -0.189  0.000
##
## Standardized Within-Group Residuals:
##          Min           Q1          Med           Q3          Max
## -2.512565131 -0.475207376 -0.007907224  0.475962480  2.223972015
##
## Number of Observations: 326
## Number of Groups: 47
```



Activity	Group	n
ST	Batch	100
ST	Intermittent	63
DT	Batch	100
DT	Intermittent	63

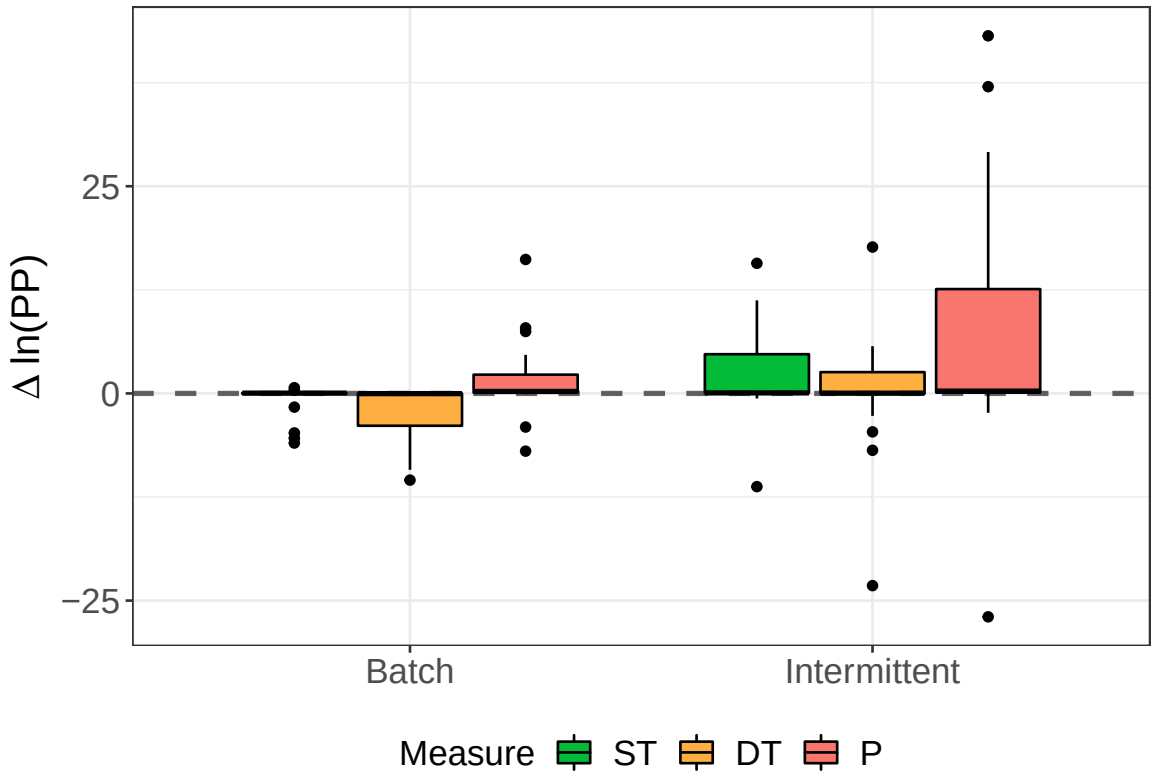
HR, 2 Groups:

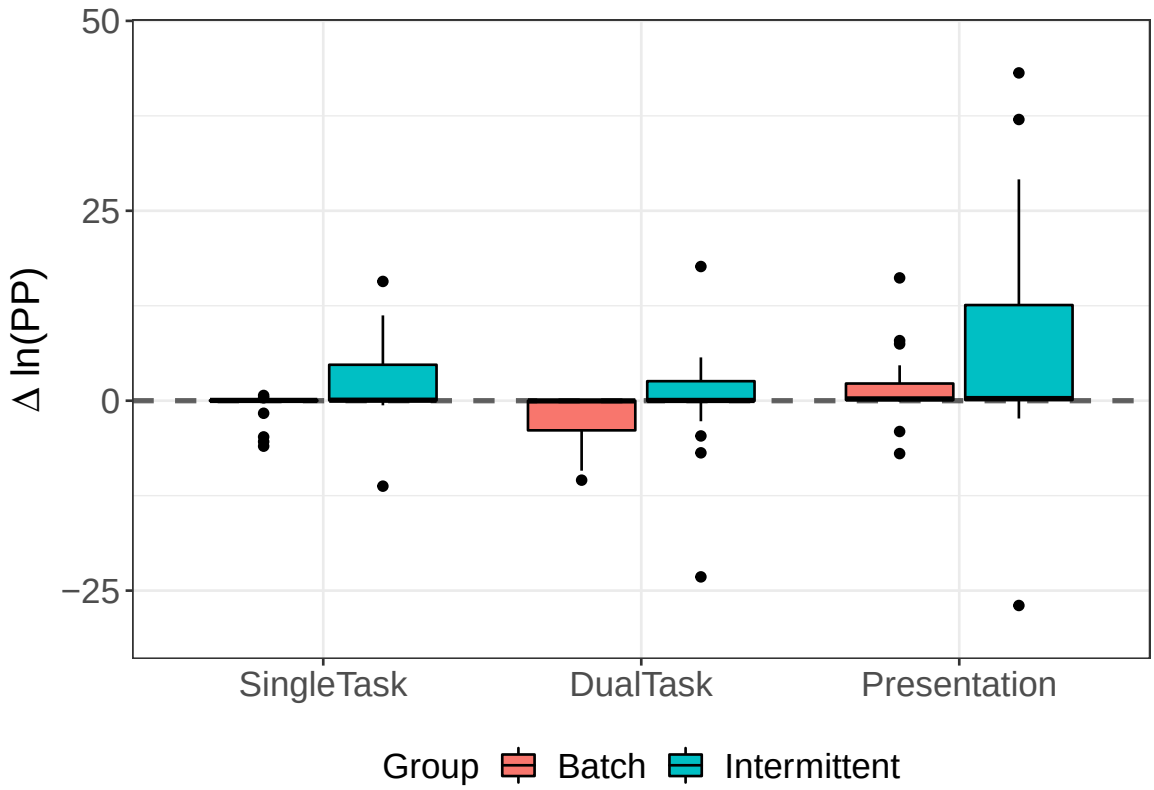
Stress Levels Across Activities

Our Linear Model:

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

```
## Linear mixed-effects model fit by REML
##  Data: diff_df
##        AIC      BIC    logLik
##   996.1254 1017.106 -491.0627
##
## Random effects:
##  Formula: ~1 | Subject
##         (Intercept) Residual
## StdDev:    4.954664 5.196248
##
## Fixed effects: HR ~ 1 + Group + Activity
##                       Value Std.Error  DF    t-value p-value
## (Intercept)       -0.197726  1.504250 111 -0.1314447  0.8957
## GroupIntermittent  2.746685  1.801507  37  1.5246597  0.1358
## ActivityB         -1.890994  1.176719 111 -1.6070067  0.1109
## ActivityDT        -2.009436  1.176719 111 -1.7076609  0.0905
## ActivityP          3.662033  1.206839 111  3.0344012  0.0030
##  Correlation:
##                   (Intr) GrpInt ActvtB ActvDT
## GroupIntermittent -0.645
## ActivityB         -0.391  0.000
## ActivityDT        -0.391  0.000  0.500
## ActivityP         -0.384  0.004  0.488  0.488
##
## Standardized Within-Group Residuals:
##          Min           Q1          Med           Q3          Max
## -3.131895785 -0.514295272  0.001761684  0.354312977  5.558679064
##
## Number of Observations: 153
## Number of Groups: 39
```


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

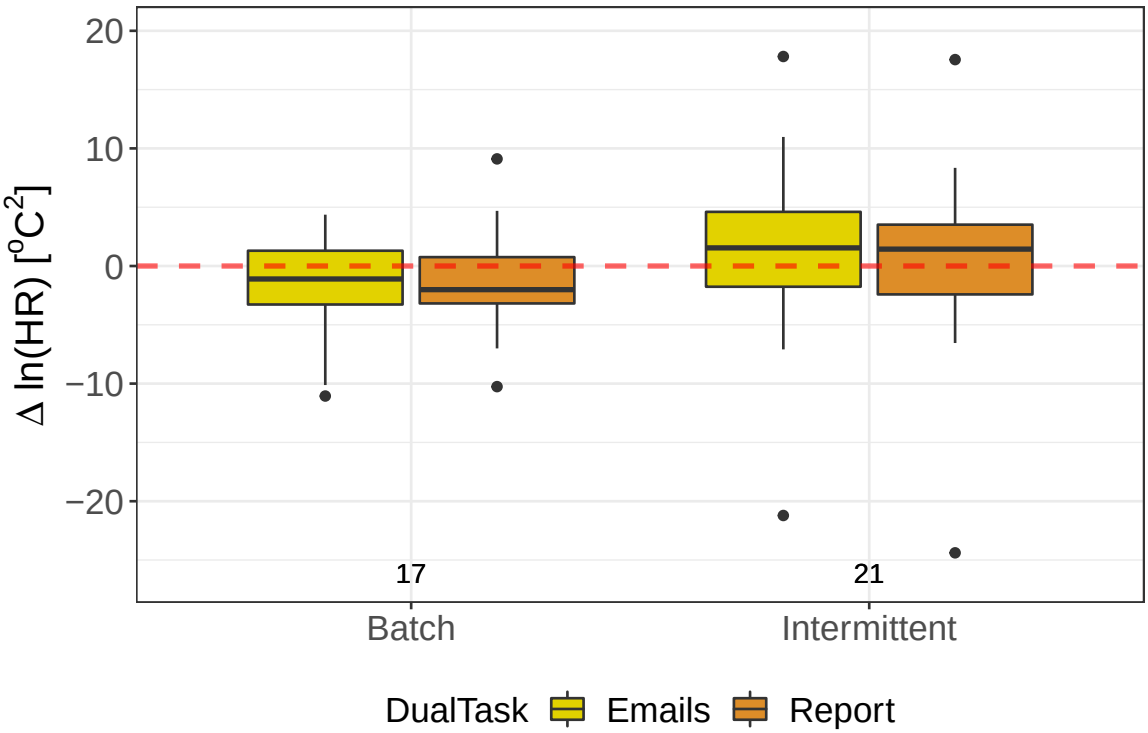

Δ ln(PP)
50
25
0
−25
SingleTask
DualTask
Presentation
Group
Batch
Intermittent

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
##   400.2065 411.6588 -195.1033
##
## Random effects:
##  Formula: ~1 | Subject
##         (Intercept) Residual
## StdDev:    6.268113 1.225437
##
## Fixed effects: HR ~ 1 + Group + DualTask
##                        Value Std.Error DF    t-value p-value
## (Intercept)       -1.2769324 1.5411224 37 -0.8285730  0.4127
## GroupIntermittent  1.9956769 2.0644539 36  0.9666851  0.3402
## DualTaskReport    -0.2344694 0.2811344 37 -0.8340117  0.4096
##  Correlation:
##                   (Intr) GrpInt
## GroupIntermittent -0.740
## DualTaskReport    -0.091  0.000
##
## Standardized Within-Group Residuals:
##         Min          Q1         Med          Q3         Max
## -1.90721089 -0.39544214 -0.00745381  0.36125320  2.15606705
##
## Number of Observations: 76
## Number of Groups: 38
```



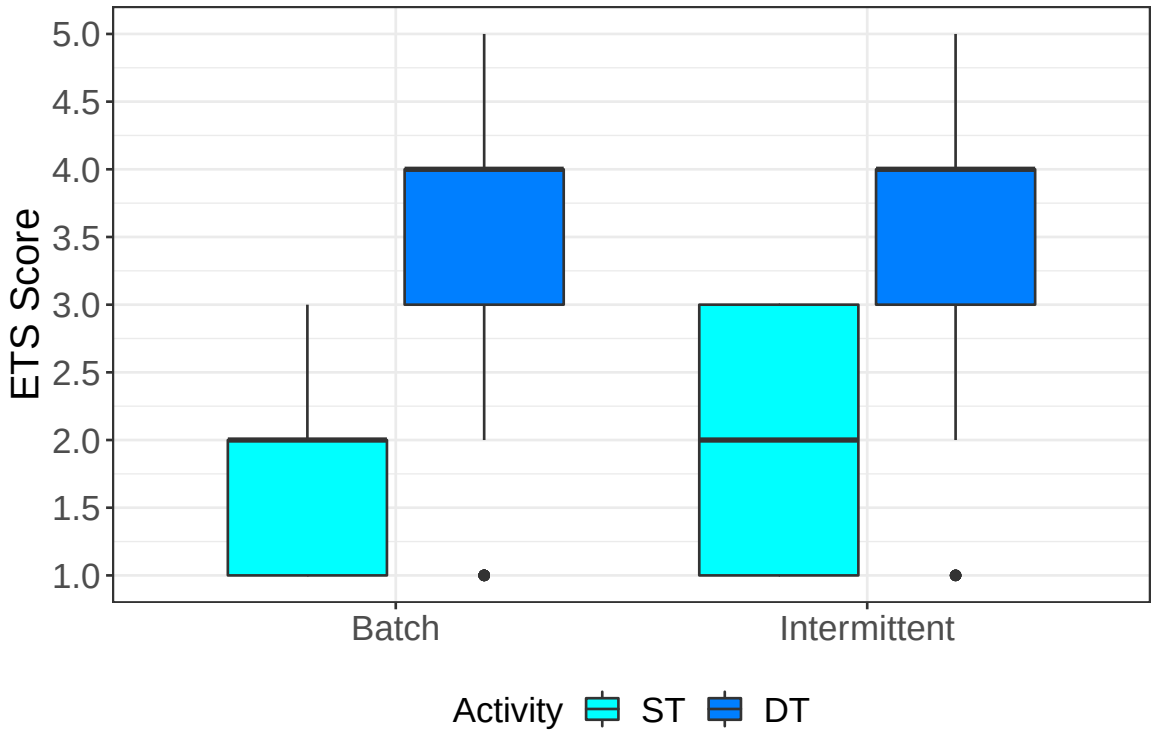

```
## Paired t-test
## For Batch, p = 0.9882 > 0.05

## Paired t-test
## For Intermittent, p = 0.1506 > 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
##   695.9315 714.8197 -342.9657
##
## Random effects:
##  Formula: ~1 | Subject
##         (Intercept)  Residual
## StdDev:   0.7774946 0.5720793
##
## Fixed effects: Score ~ 1 + Group + Activity
##                       Value  Std.Error  DF   t-value p-value
## (Intercept)       1.8741404 0.16744105 278 11.192837  0.0000
## GroupIntermittent 0.0363597 0.23695320  45  0.153447  0.8787
## ActivityDT        1.6687117 0.06336908 278 26.333216  0.0000
##  Correlation:
##                   (Intr) GrpInt
## GroupIntermittent -0.681
## ActivityDT        -0.189  0.000
##
## Standardized Within-Group Residuals:
##          Min           Q1          Med           Q3          Max
## -2.512565131 -0.475207376 -0.007907224  0.475962480  2.223972015
##
## Number of Observations: 326
## Number of Groups: 47
```



Activity	Group	n
ST	Batch	100
ST	Intermittent	63
DT	Batch	100
DT	Intermittent	63

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
##   -53.65574 -33.83705 34.82787
##
## Random effects:
##  Formula: ~1 | Subject
##         (Intercept)  Residual
## StdDev:   0.1176094 0.1085198
##
## Fixed effects: PP ~ 1 + ETSScore + Group + Activity
##                   Value  Std.Error DF    t-value p-value
## (Intercept)  0.04835998 0.05256280 45  0.9200420  0.3625
## ETSScore    -0.00527072 0.01665534 45 -0.3164582  0.7531
## GroupIN      0.03518474 0.05880576 43  0.5983215  0.5528
## GroupBF      0.07476909 0.06153704 43  1.2150259  0.2310
## GroupIF      0.07143359 0.06048085 43  1.1810943  0.2441
## ActivityDT   0.01064427 0.03612237 45  0.2946726  0.7696
##  Correlation:
##             (Intr) ETSScr GropIN GropBF GropIF
## ETSScore    -0.491
## GroupIN     -0.565 -0.150
## GroupBF     -0.572 -0.076  0.556
## GroupIF     -0.567 -0.108  0.571  0.538
## ActivityDT  0.253 -0.785  0.117  0.060  0.085
##
## Standardized Within-Group Residuals:
##         Min          Q1         Med          Q3         Max
## -4.11900265 -0.22815943 -0.02985642  0.38245554  2.00884329
##
## Number of Observations: 94
## Number of Groups: 47
```

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 0.0580 0.05804   1.556  0.219
## IntermittentFactor   1 0.0082 0.00821   0.220  0.641
## Residuals           44 1.6414 0.03731
```

```
##   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 0.07029505 -0.04328952 0.1838796 0.2188975
##
## $IntermittentFactor
##                                         diff        lwr        upr     p adj
## Intermittent-Non-Intermittent -0.02653372 -0.1407407 0.08767324 0.6419309
```

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
##   -1.070418 7.85053 5.535209
##
## Random effects:
##  Formula: ~1 | Subject
##         (Intercept)   Residual
## StdDev:   0.1808482 0.06781807
##
## Fixed effects: PP ~ 1 + StressFactor + IntermittentFactor
##                                       Value  Std.Error DF    t-value
## (Intercept)                      0.06752020 0.05149098 44  1.3113015
## StressFactorHigh                 0.06865444 0.05646763 44  1.2158193
## IntermittentFactorIntermittent -0.02663589 0.05677705 44 -0.4691312
##                                    p-value
## (Intercept)                         0.1966
## StressFactorHigh                    0.2305
## IntermittentFactorIntermittent      0.6413
##  Correlation:
##                                   (Intr) StrsFH
## StressFactorHigh                  -0.574
## IntermittentFactorIntermittent -0.643  0.062
##
## Standardized Within-Group Residuals:
##         Min          Q1         Med          Q3         Max
## -1.46305148 -0.10144456  0.07867968  0.20120994  0.49979495
##
## Number of Observations: 47
## Number of Groups: 47
```

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 0.0580 0.05804   1.520  0.224
## IntermittentFactor               1 0.0082 0.00821   0.215  0.645
## StressFactor:IntermittentFactor  1 0.0001 0.00014   0.004  0.953
## Residuals                       43 1.6413 0.03817
```

```
##   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 0.07029505 -0.0446734 0.1852635 0.2242505
##
## $IntermittentFactor
##                                       diff        lwr       upr     p adj
## Intermittent-Non-Intermittent -0.02653372 -0.1421322 0.0890647 0.6457712
##
## $`StressFactor:IntermittentFactor`
##                                                    diff        lwr
## High:Non-Intermittent-Low:Non-Intermittent  0.06485448 -0.1632733
## Low:Intermittent-Low:Non-Intermittent      -0.03004810 -0.2462235
## High:Intermittent-Low:Non-Intermittent      0.04168681 -0.1818688
## Low:Intermittent-High:Non-Intermittent     -0.09490257 -0.3052680
## High:Intermittent-High:Non-Intermittent    -0.02316767 -0.2411101
## High:Intermittent-Low:Intermittent          0.07173491 -0.1336634
##                                                 upr     p adj
## High:Non-Intermittent-Low:Non-Intermittent 0.2929822 0.8719839
## Low:Intermittent-Low:Non-Intermittent      0.1861274 0.9822724
## High:Intermittent-Low:Non-Intermittent     0.2652424 0.9590149
## Low:Intermittent-High:Non-Intermittent     0.1154629 0.6266973
## High:Intermittent-High:Non-Intermittent    0.1947747 0.9918885
## High:Intermittent-Low:Intermittent         0.2771332 0.7871738
```