# Advanced Analysis

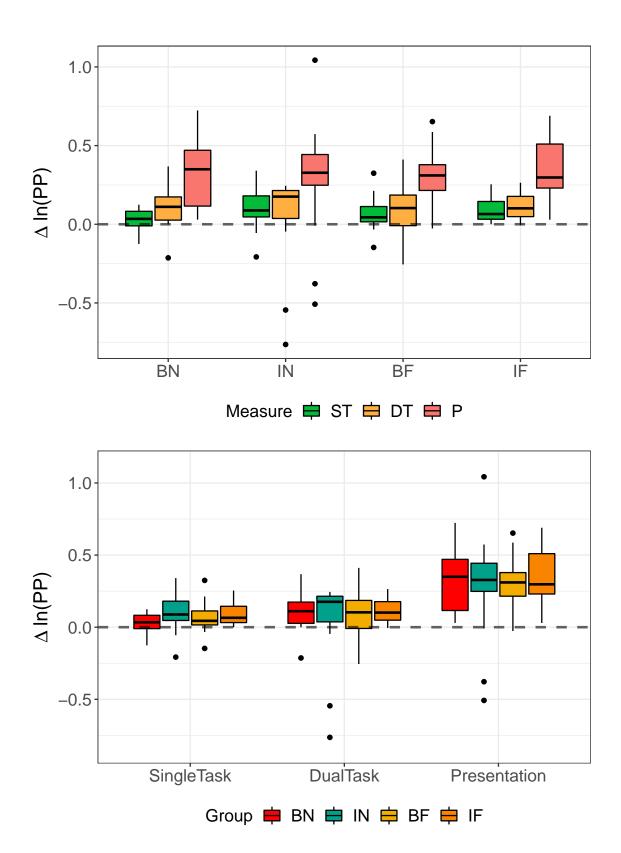
PP, 4 Groups:

#### 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
##
    -150.9245 -119.9817 84.46223
##
## Random effects:
## Formula: ~1 | Subject
          (Intercept) Residual
##
## StdDev: 0.1435299 0.1269264
##
## Fixed effects: PP ~ 1 + Group + Activity
                    Value Std.Error DF
                                         t-value p-value
## (Intercept) 0.03123336 0.04754120 174 0.656975 0.5121
## GroupIN
             0.03959086 0.05862947 56 0.675272 0.5023
## GroupBF
               0.04358168 0.06085467 56 0.716160 0.4769
## GroupIF
              0.07475329 0.06085467 56 1.228390 0.2244
## ActivityB -0.04700478 0.02317349 174 -2.028386 0.0440
## ActivityDT 0.00965452 0.02317349 174 0.416619 0.6775
               0.24165228 0.02355694 174 10.258219 0.0000
## ActivityP
## Correlation:
             (Intr) GropIN GropBF GropIF ActvtB ActvDT
##
## GroupIN
             -0.740
## GroupBF
             -0.712 0.578
## GroupIF
             -0.712 0.578 0.557
## ActivityB -0.244 0.000 0.000 0.000
## ActivityDT -0.244 0.000 0.000 0.000 0.500
## ActivityP -0.237 0.002 -0.005 -0.005 0.492 0.492
## Standardized Within-Group Residuals:
          Min
                       Q1
                                 Med
                                              QЗ
## -3.62186699 -0.39719073 -0.06878317 0.44239770 4.22642320
## Number of Observations: 237
## Number of Groups: 60
```

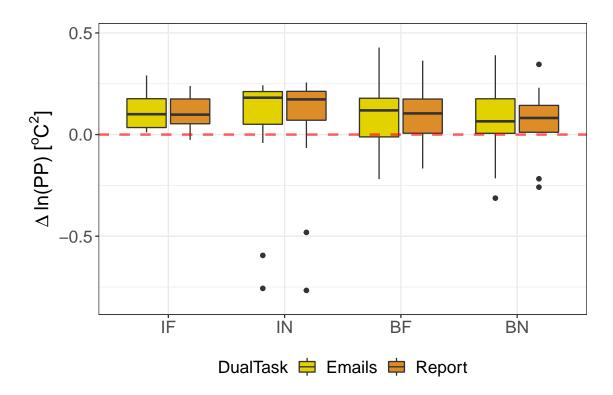


#### Stress Levels for Dual Task

```
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
##
    -218.7157 -199.624 116.3579
##
## Random effects:
## Formula: ~1 | Subject
##
          (Intercept) Residual
## StdDev: 0.1911576 0.0252267
##
## Fixed effects: PP ~ 1 + Group + DualTask
                      Value Std.Error DF
                                           t-value p-value
## (Intercept)
                 0.06173848 0.05547082 58 1.1129902 0.2703
## GroupIN
                 0.00010137 0.07154974 55 0.0014168 0.9989
## GroupBF
                 0.03217941 0.07552771 55 0.4260610 0.6717
                 0.04922469 0.07435667 55 0.6620077 0.5107
## GroupIF
## DualTaskReport 0.00193656 0.00464461 58 0.4169470 0.6783
## Correlation:
##
                 (Intr) GropIN GropBF GropIF
## GroupIN
                 -0.774
## GroupBF
                 -0.733 0.568
## GroupIF
                 -0.745 0.577 0.547
## DualTaskReport -0.042 0.000 0.000 0.000
##
## Standardized Within-Group Residuals:
                       Q1
                                  Med
                                               QЗ
          Min
                                                          Max
## -2.41064783 -0.40223859 -0.01642899 0.35676171 1.99954999
## Number of Observations: 118
## Number of Groups: 59
```



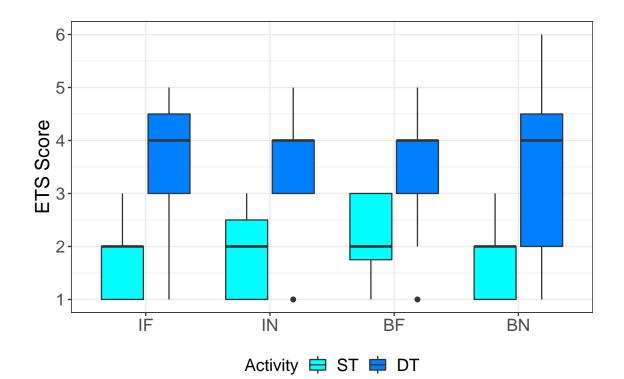
- ## Paired t-test
- ## For IF, p = 0.9656 > 0.05
- ## Paired t-test
- ## For IN, p = 0.5344 > 0.05
- ## Paired t-test
- ## For BF, p = 0.9283 > 0.05
- ## Paired t-test
- ## For BN, p = 0.7877 > 0.05

## 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
##
    737.5097 763.6431 -361.7548
##
## Random effects:
## Formula: ~1 | Subject
         (Intercept) Residual
## StdDev: 0.7966704 0.61909
##
## Fixed effects: Score ~ 1 + Group + Activity
##
                  Value Std.Error DF t-value p-value
## (Intercept) 1.7321244 0.2554118 256 6.781693 0.0000
            0.2392640 0.3253733 53 0.735352 0.4654
## GroupIN
## GroupBF
              0.2449738 0.3383328 53 0.724061 0.4722
## GroupIF
              0.1507651 0.3341128 53 0.451240 0.6537
## ActivityDT 1.7070064 0.0698745 256 24.429592 0.0000
## Correlation:
##
             (Intr) GropIN GropBF GropIF
## GroupIN
             -0.770
## GroupBF
             -0.741 0.582
## GroupIF
             -0.750 0.589 0.566
## ActivityDT -0.137 0.000 0.000 0.000
##
## Standardized Within-Group Residuals:
## Min
                        Q1 Med
                                                 QЗ
                                                             Max
## -2.381972717 -0.472130565 -0.004067653 0.532609215 2.025925302
## Number of Observations: 314
## Number of Groups: 57
```



Activity	Group	n
ST	BN	31
ST	IN	47
ST	BF	40
ST	IF	39
DT	BN	31
DT	IN	47
DT	BF	40
DT	IF	39

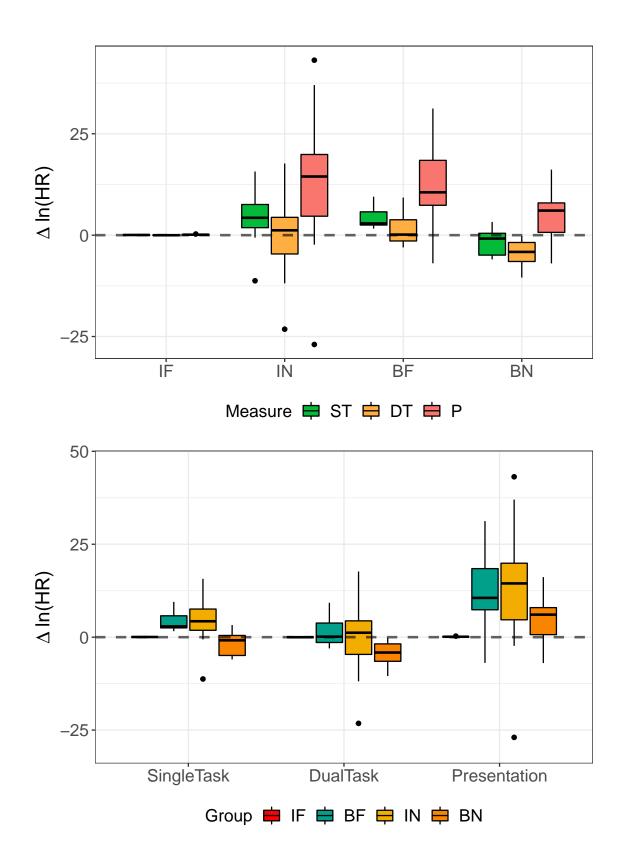
HR, 4 Groups:

#### Stress Levels Across Activities

## Number of Observations: 189

## Number of Groups: 49

Our Linear Model:  $\Delta \bar{HR} = 1 + Group + Activity + 1|Subject$ ## Linear mixed-effects model fit by REML ## Data: diff\_df ## AIC BIC logLik ## 1257.591 1286.427 -619.7954 ## ## Random effects: ## Formula: ~1 | Subject ## (Intercept) Residual 4.841465 5.783267 ## StdDev: ## ## Fixed effects: HR ~ 1 + Group + Activity Value Std.Error DF t-value p-value ## (Intercept) -0.677878 1.931551 137 -0.350950 0.7262 ## GroupIN 4.260478 2.321139 45 1.835512 0.0730 ## GroupBF 6.043981 2.349008 45 2.572993 0.0135 ## GroupIF 0.804433 2.537471 45 0.317022 0.7527 ## ActivityB -2.438127 1.175862 137 -2.073480 0.0400 ## ActivityDT -3.254193 1.168396 137 -2.785179 0.0061 6.082290 1.217420 137 4.996049 0.0000 ## ActivityP ## Correlation: (Intr) GropIN GropBF GropIF ActvtB ActvDT ## ## GroupIN -0.721## GroupBF -0.711 0.593 ## GroupIF -0.658 0.549 0.542 ## ActivityB -0.303 0.005 0.000 0.000 ## ActivityDT -0.302 0.000 0.000 0.000 0.497 ## ActivityP -0.282 -0.006 -0.011 -0.008 0.476 0.480 ## Standardized Within-Group Residuals: ## Min Q1 Med QЗ ## -3.43550274 -0.46645616 0.03414297 0.41278914 4.63294641

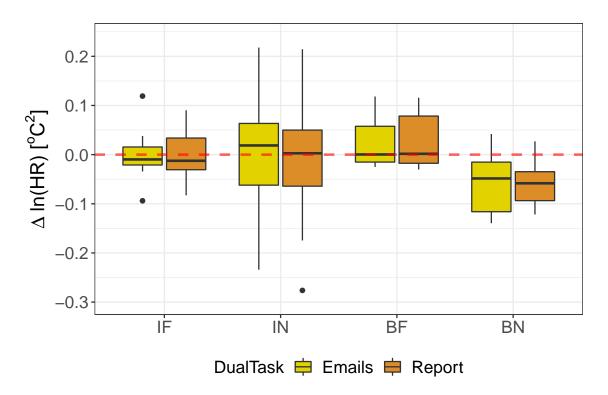


#### Stress Levels for Dual Task

Our Linear Model:

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

```
## Linear mixed-effects model fit by REML
## Data: total_df
##
          AIC
                    BIC
                          logLik
##
    -300.4569 -282.8809 157.2285
##
## Random effects:
## Formula: ~1 | Subject
##
          (Intercept)
                       Residual
## StdDev: 0.0742646 0.01558454
##
## Fixed effects: HR ~ 1 + Group + DualTask
                       Value Std.Error DF
                                             t-value p-value
## (Intercept)
                 -0.05541103 0.02379489 47 -2.328694 0.0242
## GroupIN
                 0.05243390 0.03065037 44 1.710711 0.0942
## GroupBF
                  0.08190075 0.03157937 44 2.593489 0.0129
## GroupIF
                  0.05652590 0.03357579 44 1.683531 0.0994
## DualTaskReport -0.00407769 0.00318118 47 -1.281817 0.2062
## Correlation:
##
                 (Intr) GropIN GropBF GropIF
## GroupIN
                 -0.773
## GroupBF
                 -0.750 0.582
## GroupIF
                 -0.706 0.548 0.532
## DualTaskReport -0.067 0.000 0.000 0.000
##
## Standardized Within-Group Residuals:
                       Q1
                                  Med
                                               QЗ
          Min
                                                          Max
## -1.81996706 -0.37641399 0.02682264 0.34551833 1.98874408
## Number of Observations: 96
## Number of Groups: 48
```



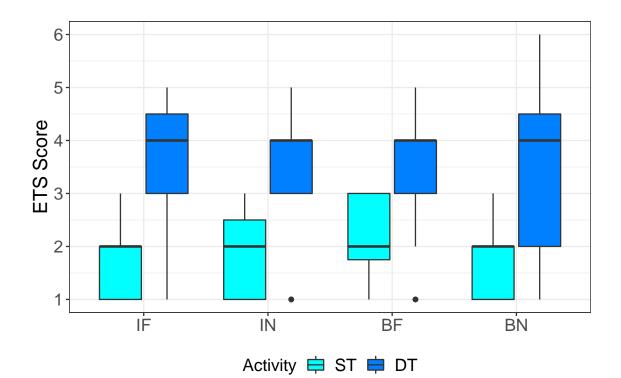
- ## Paired t-test
- ## For IF, p = 0.9405 > 0.05
- ## Paired t-test
- ## For IN, p = 0.0656 > 0.05
- ## Paired t-test
- ## For BF, p = 0.9901 > 0.05
- ## Paired t-test
- ## For BN, p = 0.7149 > 0.05

## 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
##
    737.5097 763.6431 -361.7548
##
## Random effects:
## Formula: ~1 | Subject
         (Intercept) Residual
## StdDev: 0.7966704 0.61909
##
## Fixed effects: Score ~ 1 + Group + Activity
##
                 Value Std.Error DF t-value p-value
## (Intercept) 1.7321244 0.2554118 256 6.781693 0.0000
            0.2392640 0.3253733 53 0.735352 0.4654
## GroupIN
## GroupBF
              0.2449738 0.3383328 53 0.724061 0.4722
## GroupIF
              0.1507651 0.3341128 53 0.451240 0.6537
## ActivityDT 1.7070064 0.0698745 256 24.429592 0.0000
## Correlation:
##
             (Intr) GropIN GropBF GropIF
## GroupIN
             -0.770
## GroupBF
             -0.741 0.582
             -0.750 0.589 0.566
## GroupIF
## ActivityDT -0.137 0.000 0.000 0.000
##
## Standardized Within-Group Residuals:
## Min
                        Q1 Med
                                                 QЗ
                                                             Max
## -2.381972717 -0.472130565 -0.004067653 0.532609215 2.025925302
## Number of Observations: 314
## Number of Groups: 57
```



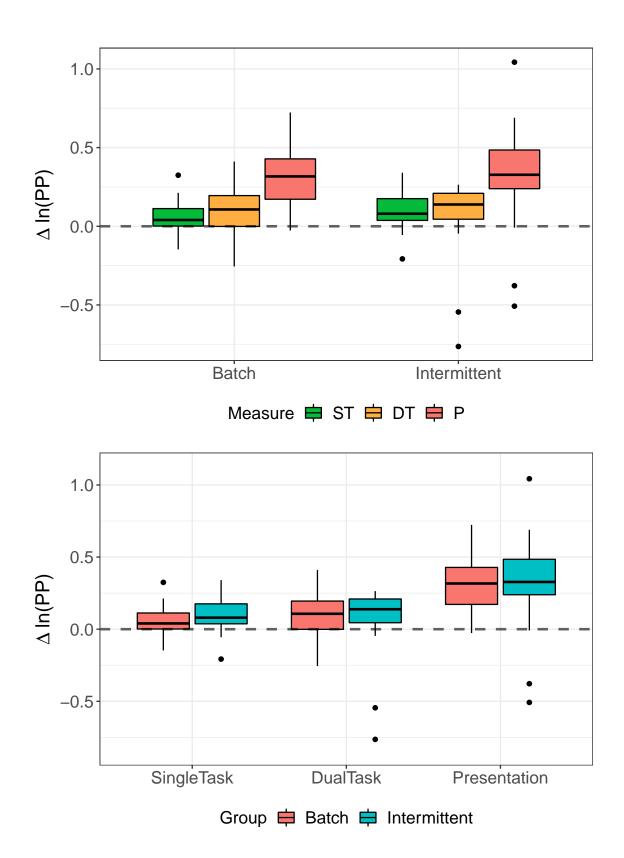
Activity	Group	n
ST	BN	31
ST	IN	47
ST	BF	40
ST	IF	39
DT	BN	31
DT	IN	47
DT	BF	40
DT	IF	39

PP, 2 Groups:

#### Stress Levels Across Activities

## Number of Groups: 60

```
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
##
    -161.7385 -137.6114 87.86927
##
## Random effects:
## Formula: ~1 | Subject
##
          (Intercept) Residual
## StdDev: 0.1418716 0.1269382
##
## Fixed effects: PP ~ 1 + Group + Activity
                          Value Std.Error DF
                                                t-value p-value
## (Intercept)
                     0.05545193 0.03312582 174 1.673979 0.0959
## GroupIntermittent 0.03134988 0.04038270 58 0.776320 0.4407
## ActivityB
                    -0.04700478 0.02317565 174 -2.028197 0.0441
                     0.00965452 0.02317565 174 0.416580 0.6775
## ActivityDT
## ActivityP
                     0.24187460 0.02355773 174 10.267312 0.0000
## Correlation:
##
                     (Intr) GrpInt ActvtB ActvDT
## GroupIntermittent -0.670
## ActivityB
                    -0.350 0.000
## ActivityDT
                    -0.350 0.000 0.500
## ActivityP
                    -0.346 0.002 0.492 0.492
##
## Standardized Within-Group Residuals:
         Min
                     Q1
                               Med
                                            QЗ
                                                      Max
## -3.6548748 -0.3862613 -0.0615164 0.4178499 4.2095527
## Number of Observations: 237
```



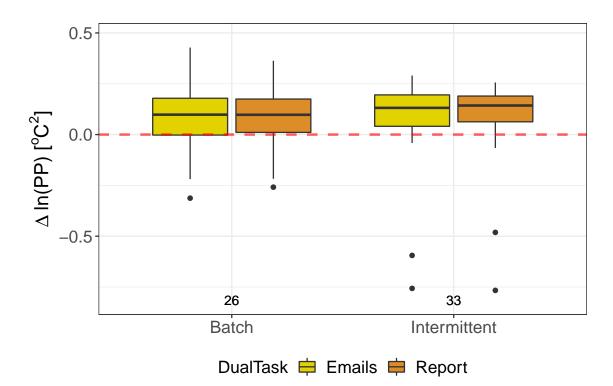
## Stress Levels for Dual Task

##

## Number of Observations: 118

## Number of Groups: 59

```
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
##
     -228.9065 -215.1818 119.4533
##
## Random effects:
## Formula: ~1 | Subject
##
           (Intercept)
                         Residual
## StdDev: 0.1889753 0.02522671
##
## Fixed effects: PP ~ 1 + Group + DualTask
                          Value Std.Error DF
                                                t-value p-value
## (Intercept)
                    0.07906585 0.03729821 58 2.1198295 0.0383
## GroupIntermittent 0.00510278 0.04977527 57 0.1025163 0.9187
## DualTaskReport
                    0.00193656 0.00464461 58 0.4169469 0.6783
## Correlation:
##
                     (Intr) GrpInt
## GroupIntermittent -0.746
## DualTaskReport
                     -0.062 0.000
##
## Standardized Within-Group Residuals:
                        Q1
##
          Min
                                   Med
                                                 QЗ
                                                            Max
## -2.42319674 -0.39591074 -0.02380016 0.36113803 1.98699965
```



```
## Paired t-test
```

## For Batch, p = 0.9411 > 0.05

## Paired t-test

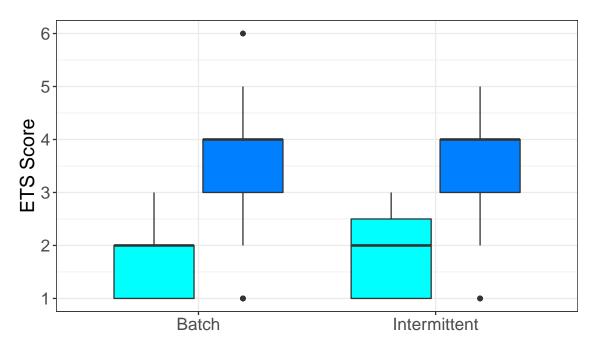
## For Intermittent, p = 0.5758 > 0.05

## 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
    733.2329 751.9319 -361.6165
##
##
## Random effects:
## Formula: ~1 | Subject
         (Intercept) Residual
## StdDev: 0.7859882 0.6190207
##
## Fixed effects: Score ~ 1 + Group + Activity
##
                       Value Std.Error DF
                                             t-value p-value
## (Intercept)
                  1.8767558 0.16100340 256 11.656622 0.0000
## GroupIntermittent 0.0520014 0.22048697 55 0.235848 0.8144
## ActivityDT
                   1.7070064 0.06986672 256 24.432323 0.0000
## Correlation:
##
                   (Intr) GrpInt
## GroupIntermittent -0.696
## ActivityDT
               -0.217 0.000
##
## Standardized Within-Group Residuals:
          Min
               Q1 Med
                                               Q3
## -2.380600057 -0.462434685 -0.008520332 0.528346784 2.000316882
## Number of Observations: 314
## Number of Groups: 57
```



Activity 🖨 ST 🖨 DT

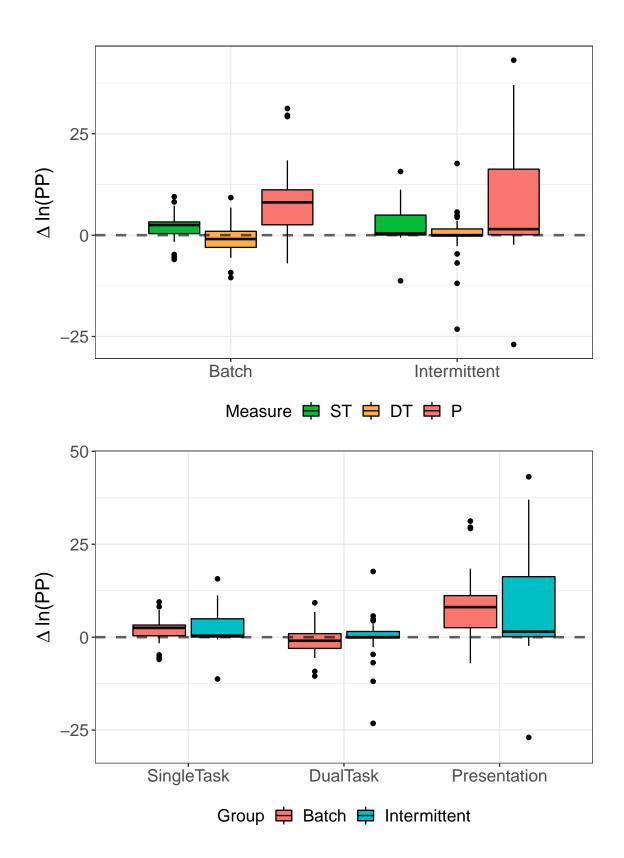
Activity	Group	n
ST	Batch	78
ST	Intermittent	79
DT	Batch	78
DT	Intermittent	79

HR, 2 Groups:

## Stress Levels Across Activities

## Number of Groups: 49

```
Our Linear Model:
                       \Delta \bar{HR} = 1 + Group + Activity + 1|Subject
## Linear mixed-effects model fit by REML
## Data: diff_df
##
         AIC
                  BIC
                         logLik
##
    1269.039 1291.544 -627.5195
##
## Random effects:
## Formula: ~1 | Subject
##
          (Intercept) Residual
             5.304679 5.782853
## StdDev:
##
## Fixed effects: HR ~ 1 + Group + Activity
                        Value Std.Error DF
                                             t-value p-value
## (Intercept)
                     2.858349 1.428502 137 2.000941 0.0474
## GroupIntermittent -0.668315 1.735306 47 -0.385128 0.7019
## ActivityB
                    -2.443897 1.175838 137 -2.078430 0.0395
## ActivityDT
                    -3.254193 1.168313 137 -2.785379 0.0061
## ActivityP
                     6.110504 1.217761 137 5.017821 0.0000
## Correlation:
##
                    (Intr) GrpInt ActvtB ActvDT
## GroupIntermittent -0.620
## ActivityB
                    -0.409 0.004
## ActivityDT
                    -0.409 0.000 0.497
## ActivityP
                    -0.392 -0.001 0.476 0.480
##
## Standardized Within-Group Residuals:
                       Q1
                                  Med
                                               QЗ
          Min
                                                          Max
## -3.25153958 -0.42325300 -0.01768185 0.34722672 4.63109134
## Number of Observations: 189
```

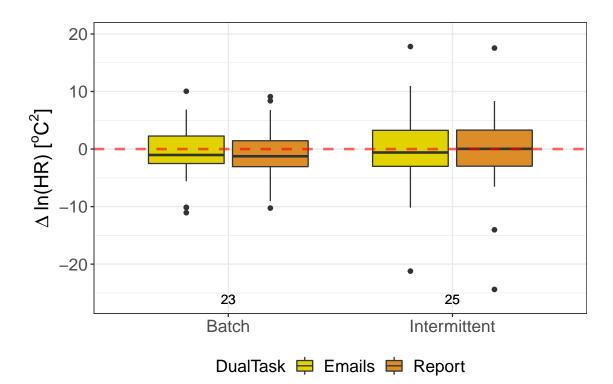


## Stress Levels for Dual Task

```
Our Linear Model:
```

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

```
## Linear mixed-effects model fit by REML
  Data: total_df
##
         AIC
                  BIC
                         logLik
##
    504.5318 517.1948 -247.2659
##
## Random effects:
## Formula: ~1 | Subject
##
          (Intercept) Residual
             6.375872 1.192841
## StdDev:
##
## Fixed effects: HR ~ 1 + Group + DualTask
                         Value Std.Error DF
                                               t-value p-value
                    -0.7631232 1.3465588 47 -0.5667211 0.5736
## (Intercept)
## GroupIntermittent 0.4461128 1.8582051 46 0.2400773 0.8113
## DualTaskReport
                    -0.2818199 0.2434876 47 -1.1574301 0.2529
## Correlation:
##
                     (Intr) GrpInt
## GroupIntermittent -0.719
## DualTaskReport
                    -0.090 0.000
##
## Standardized Within-Group Residuals:
                       Q1
##
          Min
                                  Med
                                                QЗ
                                                           Max
## -1.99682665 -0.38460602 0.01782001 0.38127970 2.21718036
##
## Number of Observations: 96
## Number of Groups: 48
```



```
## Paired t-test
```

## For Batch, p = 0.8256 > 0.05

## Paired t-test

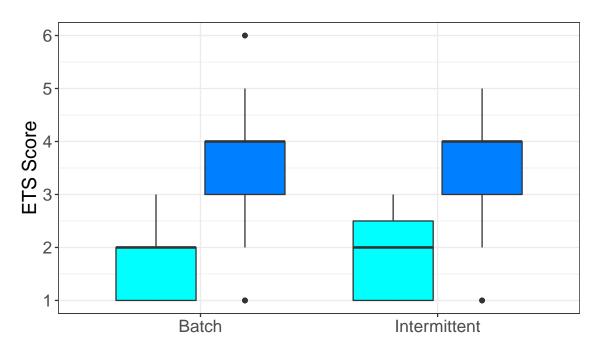
## For Intermittent, p = 0.1234 > 0.05

## 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
    733.2329 751.9319 -361.6165
##
##
## Random effects:
## Formula: ~1 | Subject
         (Intercept) Residual
## StdDev: 0.7859882 0.6190207
##
## Fixed effects: Score ~ 1 + Group + Activity
##
                       Value Std.Error DF
                                             t-value p-value
## (Intercept)
                  1.8767558 0.16100340 256 11.656622 0.0000
## GroupIntermittent 0.0520014 0.22048697 55 0.235848 0.8144
## ActivityDT
                   1.7070064 0.06986672 256 24.432323 0.0000
## Correlation:
##
                   (Intr) GrpInt
## GroupIntermittent -0.696
## ActivityDT
               -0.217 0.000
##
## Standardized Within-Group Residuals:
          Min
               Q1 Med
                                               QЗ
## -2.380600057 -0.462434685 -0.008520332 0.528346784 2.000316882
## Number of Observations: 314
## Number of Groups: 57
```



Activity 🖨 ST 🖨 DT

Activity	Group	n
ST	Batch	78
ST	Intermittent	79
DT	Batch	78
DT	Intermittent	79

#### Let's Get to 10 \* with Four Groups

Our Linear Model:

```
\Delta ln(PP) = 1 + ETSScore + Group + Activity + 1|Subject
```

```
## Linear mixed-effects model fit by REML
## Data: full_df
                    BIC logLik
##
          AIC
    -78.02772 -56.57067 47.01386
##
##
## Random effects:
## Formula: ~1 | Subject
          (Intercept) Residual
## StdDev: 0.1238458 0.1013363
##
## Fixed effects: PP ~ 1 + ETSScore + Group + Activity
##
                    Value Std.Error DF t-value p-value
## (Intercept) 0.02372209 0.05021268 55 0.4724322 0.6385
## ETSScore -0.00977965 0.01393294 55 -0.7019083 0.4857
## GroupIN
               0.07795969 0.05546058 53 1.4056776 0.1657
## GroupBF
               0.07395298 0.05773855 53 1.2808249 0.2058
## GroupIF
               0.09683412 0.05683199 53 1.7038663 0.0943
## ActivityDT 0.02197206 0.03094858 55 0.7099538 0.4807
## Correlation:
##
             (Intr) ETSScr GropIN GropBF GropIF
## ETSScore
             -0.476
## GroupIN
             -0.641 - 0.058
             -0.615 -0.056 0.584
## GroupBF
## GroupIF
           -0.636 -0.035 0.593 0.569
## ActivityDT 0.260 -0.790 0.046 0.044 0.028
##
## Standardized Within-Group Residuals:
                       Q1
          Min
                                 Med
                                              QЗ
## -4.20226524 -0.27713895 0.01481335 0.36468341 2.13634539
## Number of Observations: 114
## Number of Groups: 57
```

## Hey! Let's ANOVA!

Our ANOVA Model:

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

```
##
                      Df Sum Sq Mean Sq F value Pr(>F)
                       1 0.0199 0.01993
## StressFactor
                                          0.541 0.465
                                          0.057 0.812
## IntermittentFactor 1 0.0021 0.00211
                      57 2.1010 0.03686
## Residuals
    Tukey multiple comparisons of means
##
       95% family-wise confidence level
##
## Fit: aov(formula = PP ~ 1 + StressFactor + IntermittentFactor, data = diff_df, na.action = na.om
##
## $StressFactor
##
                  diff
                               lwr
                                         upr
                                                 p adj
## High-Low 0.03645498 -0.06280896 0.1357189 0.4651042
##
## $IntermittentFactor
##
                                      diff
                                                   lwr
                                                                     p adj
## Intermittent-Non-Intermittent 0.0118666 -0.08789741 0.1116306 0.8125905
```

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

Our Linear Model:

```
\Delta ln(PP) = 1 + StressIndicator + IntermittencyIndicator + 1|Subjects
```

```
## Linear mixed-effects model fit by REML
## Data: diff_df
     AIC BIC logLik
##
    -6.888038 3.327218 8.444019
##
##
## Random effects:
## Formula: ~1 | Subject
          (Intercept) Residual
## StdDev: 0.1797631 0.06741118
##
## Fixed effects: PP ~ 1 + StressFactor + IntermittentFactor
##
                                     Value Std.Error DF t-value p-value
## (Intercept)
                                0.05692877 0.04616607 57 1.2331302 0.2226
## StressFactorHigh
                                0.03765375 0.04982313 57 0.7557484 0.4529
## IntermittentFactorIntermittent 0.01198769 0.05007413 57 0.2393988 0.8117
## Correlation:
                                (Intr) StrsFH
##
## StressFactorHigh
                                -0.600
## IntermittentFactorIntermittent -0.651 0.101
##
## Standardized Within-Group Residuals:
          Min
                      Q1
                            Med
## -1.52315090 -0.12901408 0.06143638 0.21094408 0.57887938
## Number of Observations: 60
## Number of Groups: 60
```

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

Our ANOVA Model:

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

```
##
                                  Df Sum Sq Mean Sq F value Pr(>F)
## StressFactor
                                   1 0.0199 0.01993
                                                      0.532 0.469
                                                      0.056 0.813
## IntermittentFactor
                                   1 0.0021 0.00211
## StressFactor:IntermittentFactor 1 0.0028 0.00284
                                                      0.076 0.784
## Residuals
                                  56 2.0981 0.03747
##
     Tukey multiple comparisons of means
##
       95% family-wise confidence level
##
## Fit: aov(formula = PP ~ 1 + StressFactor * IntermittentFactor, data = diff_df, na.action = na.om
## $StressFactor
##
                  diff
                             lwr
                                               p adj
                                       upr
## High-Low 0.03645498 -0.0636623 0.1365723 0.4687814
##
## $IntermittentFactor
                                     diff
                                                   lwr
                                                            upr
## Intermittent-Non-Intermittent 0.0118666 -0.08875506 0.1124883 0.8141023
## $`StressFactor:IntermittentFactor`
##
                                                      diff
                                                                 lwr
## High:Non-Intermittent-Low:Non-Intermittent 0.022326874 -0.1761760
## Low:Intermittent-Low:Non-Intermittent -0.002203866 -0.1932133
## High:Intermittent-Low:Non-Intermittent
                                              0.047938455 -0.1505644
## Low:Intermittent-High:Non-Intermittent
                                             -0.024530740 -0.2037135
## High:Intermittent-High:Non-Intermittent
                                              0.025611581 -0.1615387
## High:Intermittent-Low:Intermittent
                                              0.050142321 -0.1290404
##
                                                    upr
                                                           p adj
## High: Non-Intermittent-Low: Non-Intermittent 0.2208297 0.9907150
## Low:Intermittent-Low:Non-Intermittent
                                             0.1888056 0.9999896
## High:Intermittent-Low:Non-Intermittent
                                             0.2464413 0.9187587
## Low:Intermittent-High:Non-Intermittent 0.1546520 0.9835337
## High:Intermittent-High:Non-Intermittent 0.2127618 0.9835522
## High:Intermittent-Low:Intermittent
                                             0.2293251 0.8800917
```