Advanced Analysis

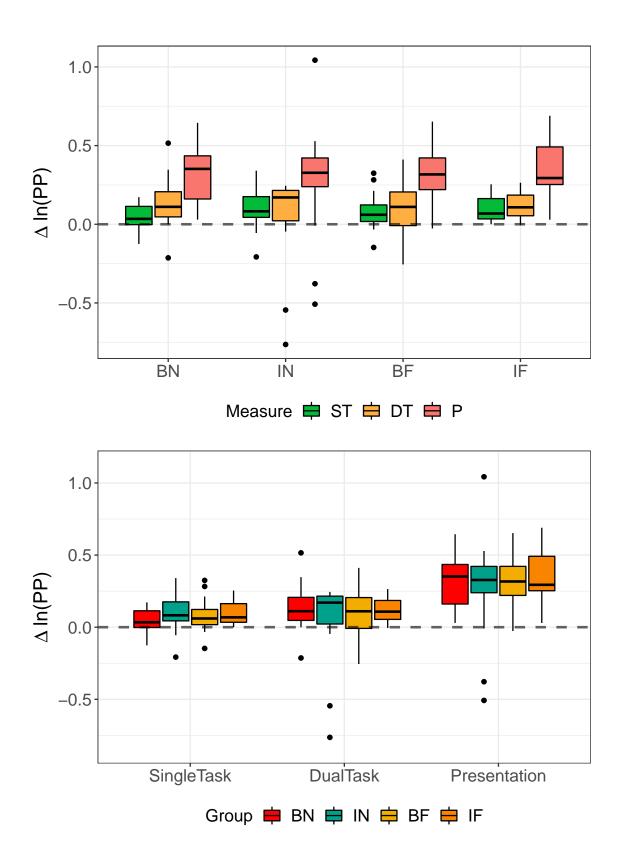
PP, 4 Groups:

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
##
    -159.7081 -128.5336 88.85403
##
## Random effects:
## Formula: ~1 | Subject
          (Intercept) Residual
##
## StdDev: 0.1406345 0.1264004
##
## Fixed effects: PP ~ 1 + Group + Activity
                    Value Std.Error DF
                                         t-value p-value
## (Intercept) 0.07955795 0.04500474 179 1.767768 0.0788
## GroupIN
             -0.02487645 0.05761452 57 -0.431774 0.6675
## GroupBF
               0.00648050 0.05757094 57 0.112566 0.9108
## GroupIF
               0.02741133 0.05757094 57 0.476131 0.6358
## ActivityB -0.03994539 0.02288751 179 -1.745292 0.0827
## ActivityDT 0.01434182 0.02288751 179 0.626622 0.5317
               0.23827553 0.02300790 179 10.356247 0.0000
## ActivityP
## Correlation:
             (Intr) GropIN GropBF GropIF ActvtB ActvDT
##
## GroupIN
             -0.706
## GroupBF
             -0.706 0.551
## GroupIF
             -0.706 0.551 0.552
## ActivityB -0.254 0.000 0.000 0.000
## ActivityDT -0.254 0.000 0.000 0.000 0.500
## ActivityP -0.254 0.004 0.000 0.000 0.497 0.497
## Standardized Within-Group Residuals:
##
          Min
                       Q1
                                 Med
                                              QЗ
## -3.59029668 -0.38559383 -0.05461809 0.43114569 4.31418896
## Number of Observations: 243
## Number of Groups: 61
```

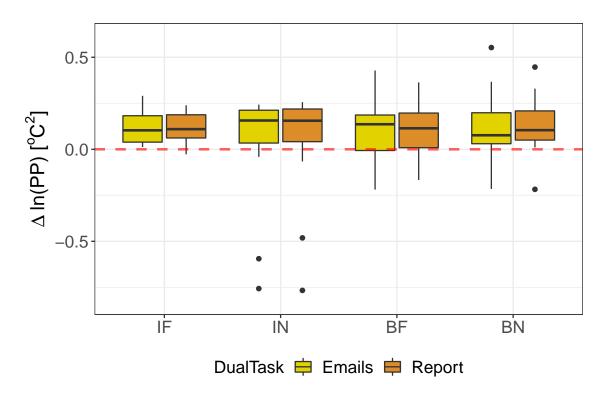


Stress Levels for Dual Task

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
##
    -213.6875 -194.473 113.8437
##
## Random effects:
## Formula: ~1 | Subject
##
          (Intercept)
                      Residual
## StdDev: 0.1893405 0.02749848
##
## Fixed effects: PP ~ 1 + Group + DualTask
                       Value Std.Error DF
                                             t-value p-value
## (Intercept)
                 0.12350943 0.05284943 59 2.3370059 0.0229
## GroupIN
                 -0.07684567 0.07107042 56 -1.0812610 0.2842
## GroupBF
                 -0.01802287 0.07212457 56 -0.2498853 0.8036
                 -0.00532004 0.07107042 56 -0.0748559 0.9406
## GroupIF
## DualTaskReport -0.00078155 0.00502051 59 -0.1556704 0.8768
## Correlation:
##
                 (Intr) GropIN GropBF GropIF
## GroupIN
                 -0.742
## GroupBF
                 -0.731 0.544
## GroupIF
                 -0.742 0.552 0.544
## DualTaskReport -0.047 0.000 0.000 0.000
##
## Standardized Within-Group Residuals:
          Min
                       Q1
                                  Med
                                               QЗ
                                                          Max
## -2.29403815 -0.41434393 -0.02478253 0.35464021 2.05668822
## Number of Observations: 120
## Number of Groups: 60
```



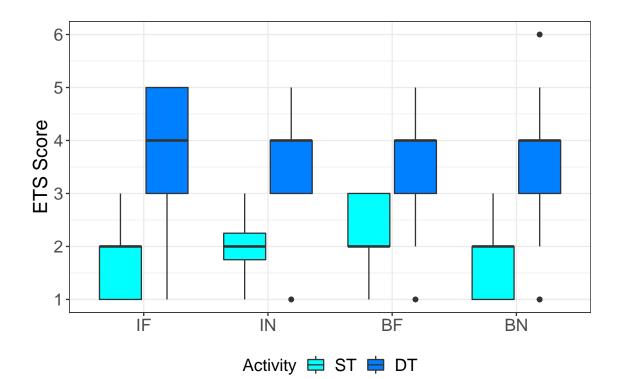
- ## Paired t-test
- ## For IF, p = 0.9543 > 0.05
- ## Paired t-test
- ## For IN, p = 0.5189 > 0.05
- ## Paired t-test
- ## For BF, p = 0.6713 > 0.05
- ## Paired t-test
- ## For BN, p = 0.6879 > 0.05

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
    776.0695 802.7684 -381.0348
##
##
## Random effects:
## Formula: ~1 | Subject
         (Intercept) Residual
## StdDev: 0.7942298 0.5990748
##
## Fixed effects: Score ~ 1 + Group + Activity
##
                 Value Std.Error DF t-value p-value
## (Intercept) 1.7911912 0.23349795 279 7.671122 0.0000
## GroupIN
             0.2827544 0.31148183 56 0.907772 0.3679
## GroupBF
              0.2252674 0.31617162 56 0.712485 0.4791
## GroupIF
              0.1668252 0.31223769 56 0.534289 0.5953
## ActivityDT 1.7176471 0.06497879 279 26.433966 0.0000
## Correlation:
##
             (Intr) GropIN GropBF GropIF
## GroupIN
             -0.735
## GroupBF
             -0.724 0.543
## GroupIF
             -0.733 0.550 0.542
## ActivityDT -0.139 0.000 0.000 0.000
##
## Standardized Within-Group Residuals:
## Min
                      Q1
                          Med
                                             QЗ
## -2.47534599 -0.50864423 -0.02716344 0.54470639 2.10194004
## Number of Observations: 340
## Number of Groups: 60
```



Activity	Group	n
ST	BN	37
ST	IN	48
ST	BF	43
ST	IF	42
DT	BN	37
DT	IN	48
DT	BF	43
DT	IF	42

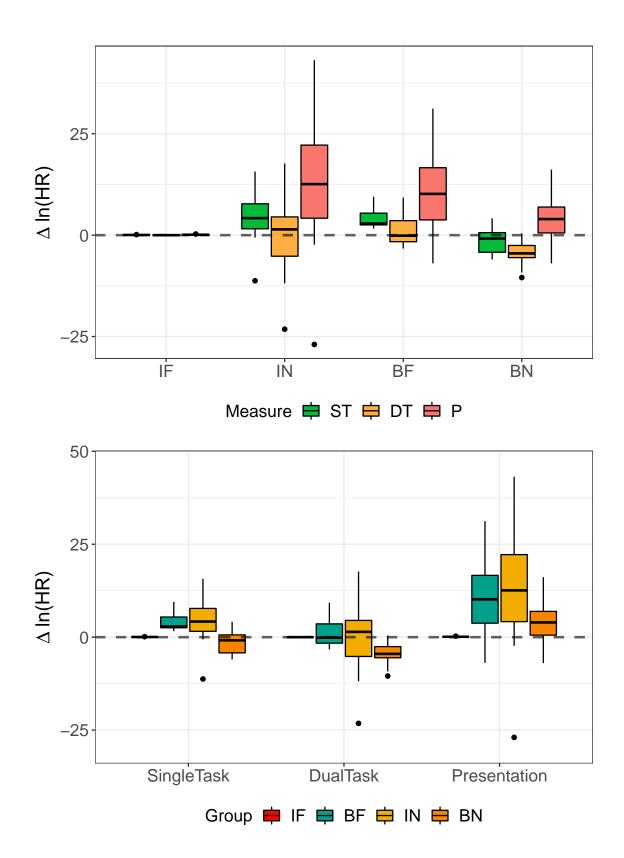
HR, 4 Groups:

Stress Levels Across Activities

Number of Observations: 199

Number of Groups: 51

Our Linear Model: $\Delta \bar{HR} = 1 + Group + Activity + 1|Subject$ ## Linear mixed-effects model fit by REML ## Data: diff_df ## AIC BIC logLik ## 1319.937 1349.255 -650.9687 ## ## Random effects: ## Formula: ~1 | Subject ## (Intercept) Residual 4.833144 5.701939 ## StdDev: ## ## Fixed effects: HR ~ 1 + Group + Activity Value Std.Error DF t-value p-value ## (Intercept) -0.544686 1.832280 145 -0.297272 0.7667 ## GroupIN 4.035679 2.271173 47 1.776913 0.0821 ## GroupBF 5.514423 2.234632 47 2.467710 0.0173 ## GroupIF 0.790169 2.401353 47 0.329051 0.7436 ## ActivityB -2.467650 1.129152 145 -2.185401 0.0305 ## ActivityDT -3.104998 1.129152 145 -2.749849 0.0067 5.367556 1.166242 145 4.602436 0.0000 ## ActivityP ## Correlation: (Intr) GropIN GropBF GropIF ActvtB ActvDT ## ## GroupIN -0.693 ## GroupBF -0.704 0.568 ## GroupIF -0.655 0.529 0.537 ## ActivityB -0.308 0.000 0.000 0.000 ## ActivityDT -0.308 0.000 0.000 0.000 0.500 ## ActivityP -0.299 0.004 -0.002 0.000 0.484 0.484 ## Standardized Within-Group Residuals: ## Min Q1 Med QЗ ## -3.35525022 -0.47010203 0.01757256 0.41003723 4.80153186



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 ## -315.3184 -297.4412 164.6592 ## ## Random effects: ## Formula: ~1 | Subject ## (Intercept) Residual ## StdDev: 0.07298497 0.01569881 ## Fixed effects: HR ~ 1 + Group + DualTask Std.Error DF Value t-value p-value ## (Intercept) -0.04780770 0.022314165 49 -2.142482 0.0371 ## GroupIN 0.04526564 0.029744671 46 1.521807 0.1349 ## GroupBF 0.07053375 0.029744671 46 2.371307 0.0220 ## GroupIF 0.05263586 0.031478801 46 1.672105 0.1013 ## DualTaskReport -0.00523438 0.003139762 49 -1.667126 0.1019 ## Correlation: ## (Intr) GropIN GropBF GropIF ## GroupIN -0.746## GroupBF -0.746 0.560 ## GroupIF -0.705 0.529 0.529 ## DualTaskReport -0.070 0.000 0.000 0.000

Standardized Within-Group Residuals:

Min

Number of Groups: 50

Number of Observations: 100

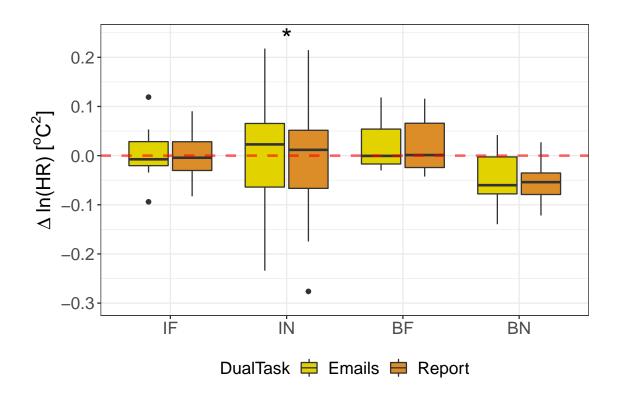
Q1

Med

-1.83316239 -0.37950371 0.05274758 0.37118580 2.02150622

QЗ

Max



```
## Paired t-test
## For IF, p = 0.5041 > 0.05

## Paired t-test
## For IN, p = 0.0451 < 0.05 *

## Paired t-test
## For BF, p = 0.8961 > 0.05

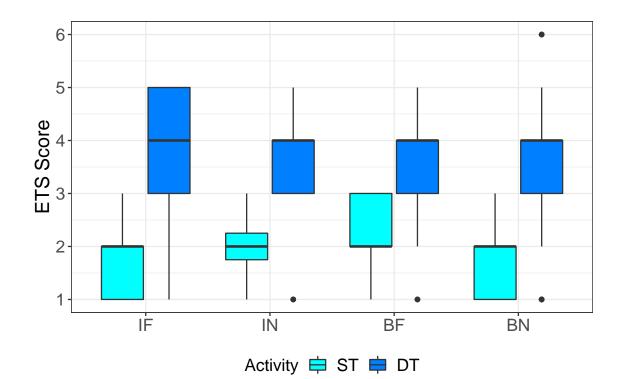
## Paired t-test
## For BN, p = 0.6885 > 0.05
```

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
##
    776.0695 802.7684 -381.0348
##
## Random effects:
## Formula: ~1 | Subject
         (Intercept) Residual
## StdDev: 0.7942298 0.5990748
##
## Fixed effects: Score ~ 1 + Group + Activity
##
                 Value Std.Error DF t-value p-value
## (Intercept) 1.7911912 0.23349795 279 7.671122 0.0000
## GroupIN
             0.2827544 0.31148183 56 0.907772 0.3679
## GroupBF
             0.2252674 0.31617162 56 0.712485 0.4791
## GroupIF
              0.1668252 0.31223769 56 0.534289 0.5953
## ActivityDT 1.7176471 0.06497879 279 26.433966 0.0000
## Correlation:
##
             (Intr) GropIN GropBF GropIF
## GroupIN
             -0.735
## GroupBF
             -0.724 0.543
## GroupIF
             -0.733 0.550 0.542
## ActivityDT -0.139 0.000 0.000 0.000
##
## Standardized Within-Group Residuals:
## Min
                      Q1
                          Med
                                             QЗ
## -2.47534599 -0.50864423 -0.02716344 0.54470639 2.10194004
## Number of Observations: 340
## Number of Groups: 60
```



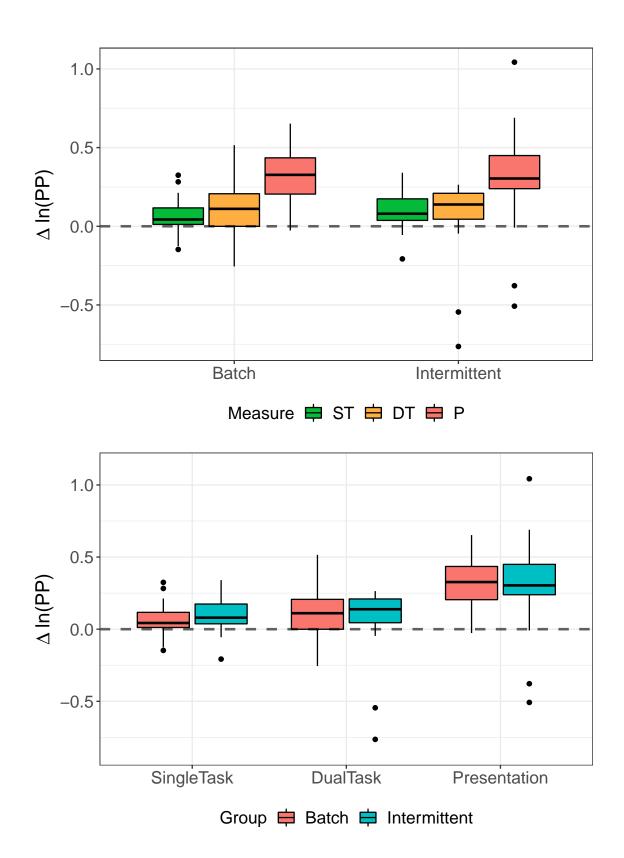
Activity	Group	n
ST	BN	37
ST	IN	48
ST	BF	43
ST	IF	42
DT	BN	37
DT	IN	48
DT	BF	43
DT	IF	42

PP, 2 Groups:

Stress Levels Across Activities

Number of Groups: 61

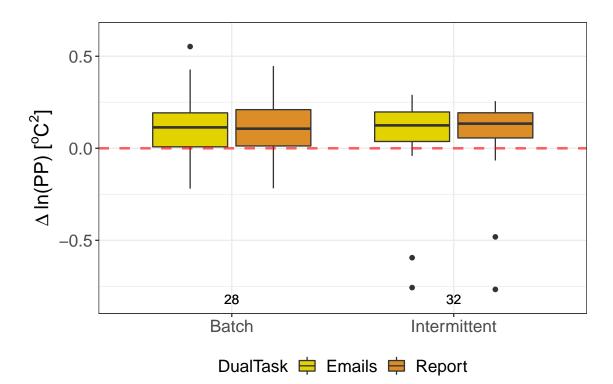
```
Our Linear Model:
                     \Delta ln(\bar{PP}) = 1 + Group + Activity + 1|Subject
## Linear mixed-effects model fit by REML
## Data: diff_df
##
          AIC
                    BIC logLik
##
    -170.6372 -146.3313 92.31861
##
## Random effects:
## Formula: ~1 | Subject
##
          (Intercept) Residual
## StdDev: 0.1391073 0.1263973
##
## Fixed effects: PP ~ 1 + Group + Activity
                          Value Std.Error DF
                                                t-value p-value
## (Intercept)
                     0.08311096 0.03165076 179 2.625876 0.0094
## GroupIntermittent -0.00226525 0.03918898 59 -0.057803 0.9541
## ActivityB
                    -0.03994539 0.02288694 179 -1.745335 0.0826
## ActivityDT
                     0.01434182 0.02288694 179 0.626638 0.5317
## ActivityP
                     0.23836527 0.02300701 179 10.360548 0.0000
## Correlation:
##
                     (Intr) GrpInt ActvtB ActvDT
## GroupIntermittent -0.650
## ActivityB
                    -0.362 0.000
## ActivityDT
                    -0.362 0.000 0.500
## ActivityP
                    -0.362 0.003 0.497 0.497
##
## Standardized Within-Group Residuals:
                       Q1
                                  Med
                                                QЗ
          Min
                                                           Max
## -3.63648520 -0.39819875 -0.06225426 0.43602671 4.28428672
## Number of Observations: 243
```



Stress Levels for Dual Task

Number of Groups: 60

```
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
##
     -223.4813 -209.6705 116.7407
##
## Random effects:
## Formula: ~1 | Subject
##
           (Intercept)
                         Residual
## StdDev: 0.1880032 0.02749848
##
## Fixed effects: PP ~ 1 + Group + DualTask
                           Value Std.Error DF
                                                t-value p-value
## (Intercept)
                     0.11385432 0.03580689 59 3.179676 0.0023
## GroupIntermittent -0.03142775 0.04890997 58 -0.642563 0.5230
## DualTaskReport
                    -0.00078155 0.00502051 59 -0.155670 0.8768
## Correlation:
##
                     (Intr) GrpInt
## GroupIntermittent -0.728
## DualTaskReport
                     -0.070 0.000
##
## Standardized Within-Group Residuals:
                        Q1
##
          Min
                                   Med
                                                QЗ
                                                            Max
## -2.31093395 -0.40968101 -0.01235216 0.36551279 2.06242302
##
## Number of Observations: 120
```



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

For Batch, p = 0.5488 > 0.05

Paired t-test

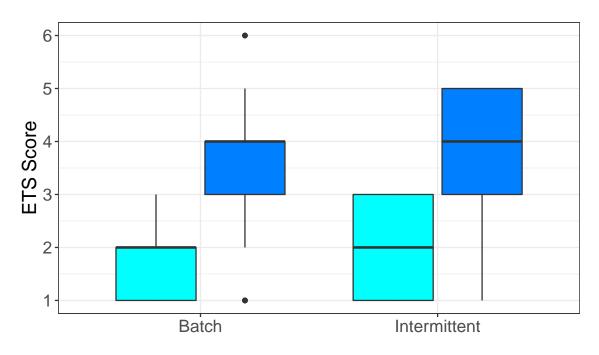
For Intermittent, p = 0.5569 > 0.05

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
    771.8609 790.9613 -380.9304
##
##
## Random effects:
## Formula: ~1 | Subject
         (Intercept) Residual
## StdDev: 0.7856336 0.5990633
##
## Fixed effects: Score ~ 1 + Group + Activity
##
                       Value Std.Error DF
                                             t-value p-value
## (Intercept)
                  1.9469226 0.15680825 279 12.415945 0.0000
## GroupIntermittent 0.0396269 0.21379654 58 0.185349 0.8536
## ActivityDT
                   1.7176471 0.06497754 279 26.434473 0.0000
## Correlation:
##
                   (Intr) GrpInt
## GroupIntermittent -0.702
## ActivityDT
               -0.207 0.000
##
## Standardized Within-Group Residuals:
   Min
               Q1
                          Med
                                             QЗ
## -2.46665263 -0.50243467 -0.02529764 0.54804118 2.07568494
## Number of Observations: 340
## Number of Groups: 60
```



Activity 🖨 ST 🖨 DT

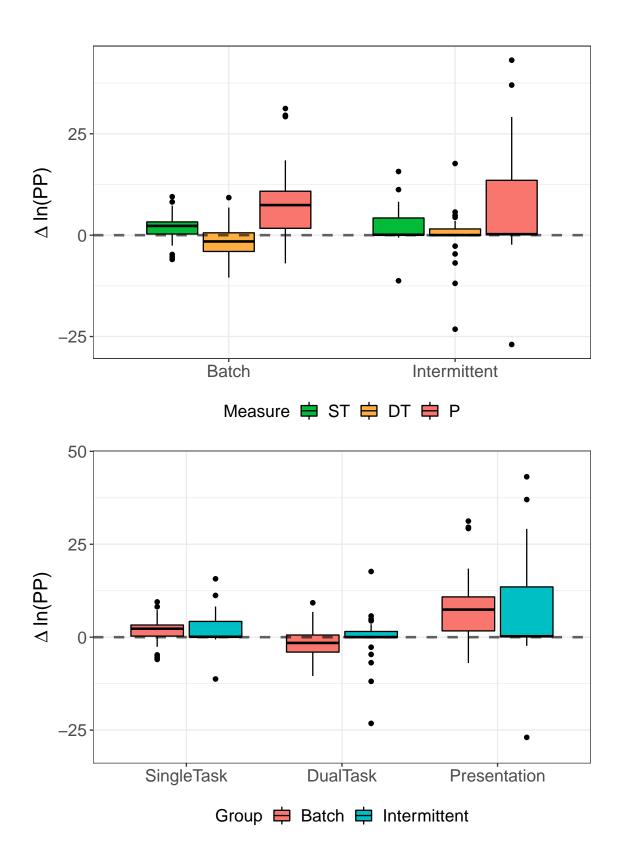
Activity	Group	n
ST	Batch	85
ST	Intermittent	85
DT	Batch	85
DT	Intermittent	85

HR, 2 Groups:

Stress Levels Across Activities

Number of Groups: 51

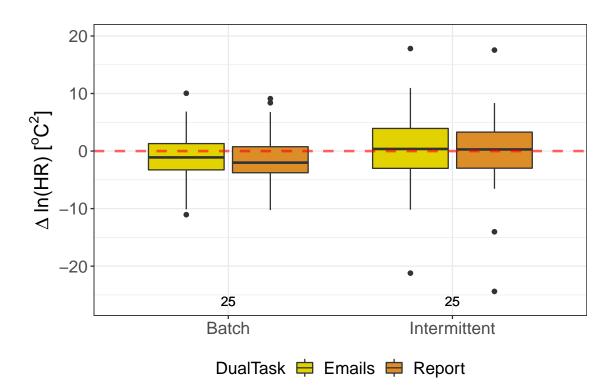
```
Our Linear Model:
                       \Delta \bar{HR} = 1 + Group + Activity + 1|Subject
## Linear mixed-effects model fit by REML
## Data: diff_df
##
         AIC
                  BIC
                         logLik
##
    1330.626 1353.501 -658.3129
##
## Random effects:
## Formula: ~1 | Subject
##
          (Intercept) Residual
           5.23368 5.700189
## StdDev:
##
## Fixed effects: HR ~ 1 + Group + Activity
                        Value Std.Error DF
                                             t-value p-value
## (Intercept)
                     2.640692 1.359601 145 1.942255 0.0540
## GroupIntermittent -0.581863 1.675195 49 -0.347340 0.7298
## ActivityB
                    -2.467650 1.128806 145 -2.186072 0.0304
## ActivityDT
                    -3.104998 1.128806 145 -2.750694 0.0067
## ActivityP
                    5.370576 1.166202 145 4.605185 0.0000
## Correlation:
##
                    (Intr) GrpInt ActvtB ActvDT
## GroupIntermittent -0.604
## ActivityB
                    -0.415 0.000
## ActivityDT
                    -0.415 0.000 0.500
## ActivityP
                    -0.405 0.005 0.484 0.484
##
## Standardized Within-Group Residuals:
                       Q1
                                  Med
                                               QЗ
          Min
                                                          Max
## -3.18318631 -0.44640882 -0.01677401 0.34204750 4.81193893
## Number of Observations: 199
```



Stress Levels for Dual Task

Number of Groups: 50

```
Our Linear Model:
                      \Delta \bar{HR} = 1 + Group + DualTask + 1|Subject
## Linear mixed-effects model fit by REML
   Data: total_df
##
          AIC
                   BIC
                          logLik
##
     523.7818 536.6553 -256.8909
##
## Random effects:
## Formula: ~1 | Subject
##
           (Intercept) Residual
             6.200024 1.203353
## StdDev:
##
## Fixed effects: HR ~ 1 + Group + DualTask
                          Value Std.Error DF
                                                t-value p-value
                    -0.7471881 1.2573995 49 -0.5942328 0.5551
## (Intercept)
## GroupIntermittent 0.5808897 1.7700695 48 0.3281734 0.7442
## DualTaskReport
                    -0.3596849 0.2406705 49 -1.4945118 0.1415
## Correlation:
##
                     (Intr) GrpInt
## GroupIntermittent -0.704
## DualTaskReport
                     -0.096 0.000
##
## Standardized Within-Group Residuals:
                        Q1
##
          Min
                                   Med
                                                 QЗ
                                                            Max
## -2.00321037 -0.38970013 0.03545756 0.36712662 2.23869311
##
## Number of Observations: 100
```



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

For Batch, p = 0.7476 > 0.05

Paired t-test

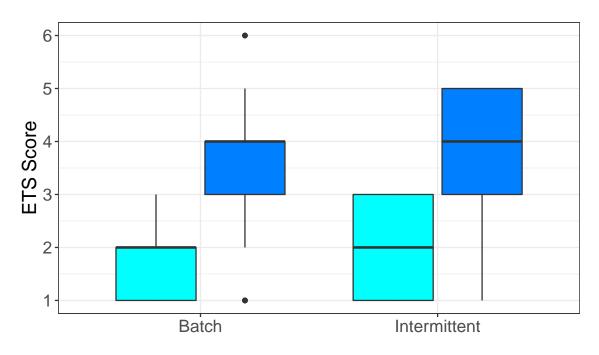
For Intermittent, p = 0.0568 > 0.05

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
    771.8609 790.9613 -380.9304
##
##
## Random effects:
## Formula: ~1 | Subject
         (Intercept) Residual
## StdDev: 0.7856336 0.5990633
##
## Fixed effects: Score ~ 1 + Group + Activity
##
                       Value Std.Error DF
                                             t-value p-value
## (Intercept)
                  1.9469226 0.15680825 279 12.415945 0.0000
## GroupIntermittent 0.0396269 0.21379654 58 0.185349 0.8536
## ActivityDT
                   1.7176471 0.06497754 279 26.434473 0.0000
## Correlation:
##
                   (Intr) GrpInt
## GroupIntermittent -0.702
## ActivityDT
               -0.207 0.000
##
## Standardized Within-Group Residuals:
   Min
               Q1
                          Med
                                             QЗ
## -2.46665263 -0.50243467 -0.02529764 0.54804118 2.07568494
## Number of Observations: 340
## Number of Groups: 60
```



Activity 🖨 ST 🖨 DT

Activity	Group	n
ST	Batch	85
ST	Intermittent	85
DT	Batch	85
DT	Intermittent	85

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
##
          AIC
                   BIC logLik
##
    -86.94855 -64.91982 51.47427
##
## Random effects:
## Formula: ~1 | Subject
          (Intercept) Residual
## StdDev: 0.1182905 0.1038826
##
## Fixed effects: PP ~ 1 + ETSScore + Group + Activity
##
                   Value Std.Error DF t-value p-value
## (Intercept) 0.06872432 0.04674060 60 1.4703346 0.1467
## ETSScore 0.00320029 0.01384112 60 0.2312161 0.8179
## GroupIN
             -0.00750620 0.05201431 56 -0.1443104 0.8858
## GroupBF
             -0.00500505 0.05284561 56 -0.0947109 0.9249
## GroupIF
              0.02822670 0.05203863 56 0.5424182 0.5897
## ActivityDT 0.00839524 0.03071282 60 0.2733463 0.7855
## Correlation:
##
             (Intr) ETSScr GropIN GropBF GropIF
## ETSScore
            -0.526
## GroupIN
             -0.575 -0.073
## GroupBF
             -0.574 -0.056 0.547
## GroupIF
           -0.591 -0.042 0.554 0.545
## ActivityDT 0.293 -0.791 0.058 0.044 0.033
##
## Standardized Within-Group Residuals:
                     Q1
         Min
                                 Med
                                             QЗ
## -4.24081031 -0.30272910 -0.02778946 0.31458685 2.37461629
## Number of Observations: 122
## Number of Groups: 60
```

Hey! Let's ANOVA!

Our ANOVA Model:

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

```
##
                      Df Sum Sq Mean Sq F value Pr(>F)
                       1 0.0110 0.01104
## StressFactor
                                          0.297 0.588
## IntermittentFactor 1 0.0114 0.01136
                                          0.305 0.583
                      58 2.1566 0.03718
## 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 0.02693298 -0.07202824 0.1258942 0.5879926
##
## $IntermittentFactor
##
                                        diff
                                                    lwr
                                                              upr
                                                                      p adj
## Intermittent-Non-Intermittent -0.02728693 -0.1262482 0.0716743 0.5831096
```

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
    -6.781258 3.520957 8.390629
##
##
## Random effects:
## Formula: ~1 | Subject
##
          (Intercept)
                        Residual
## StdDev:
             0.180551 0.06770663
##
## Fixed effects: PP ~ 1 + StressFactor + IntermittentFactor
##
                                       Value Std.Error DF
                                                              t-value
## (Intercept)
                                  0.09723092 0.04503505 58 2.1590056
## StressFactorHigh
                                  0.02551780 0.04950442 58 0.5154651
## IntermittentFactorIntermittent -0.02736013 0.04950442 58 -0.5526804
##
                                 p-value
## (Intercept)
                                  0.0350
## StressFactorHigh
                                  0.6082
## IntermittentFactorIntermittent 0.5826
## Correlation:
##
                                 (Intr) StrsFH
## StressFactorHigh
                                 -0.606
## IntermittentFactorIntermittent -0.606 0.052
##
## Standardized Within-Group Residuals:
        Min
                     Q1
                           Med
                                           QЗ
                                                     Max
## -1.5182422 -0.1217303 0.0331390 0.2026768 0.7615316
## Number of Observations: 61
## Number of Groups: 61
```

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 0.0110 0.01104
                                                      0.297 0.588
                                                       0.306 0.583
## IntermittentFactor
                                    1 0.0114 0.01136
                                                      1.035 0.313
## StressFactor:IntermittentFactor 1 0.0385 0.03846
## Residuals
                                  57 2.1181 0.03716
##
     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
                                        upr
                                               p adj
## High-Low 0.02693298 -0.0720354 0.1259014 0.587917
##
## $IntermittentFactor
                                        diff
                                                    lwr
                                                               upr
## Intermittent-Non-Intermittent -0.02728693 -0.1262553 0.07168145 0.5830335
## $`StressFactor:IntermittentFactor`
##
                                                      diff
                                                                  lwr
## High: Non-Intermittent-Low: Non-Intermittent -0.027654745 -0.2181462
## Low:Intermittent-Low:Non-Intermittent
                                             -0.080532676 -0.2710241
## High:Intermittent-Low:Non-Intermittent
                                             -0.007342932 -0.1978343
## Low:Intermittent-High:Non-Intermittent
                                             -0.052877931 -0.2332474
## High:Intermittent-High:Non-Intermittent
                                              0.020311813 -0.1600577
## High:Intermittent-Low:Intermittent
                                              0.073189744 -0.1071797
##
                                                    upr
                                                           p adj
## High: Non-Intermittent-Low: Non-Intermittent 0.1628367 0.9805230
## Low:Intermittent-Low:Non-Intermittent
                                             0.1099587 0.6795273
## High:Intermittent-Low:Non-Intermittent
                                             0.1831485 0.9996153
## Low:Intermittent-High:Non-Intermittent
                                             0.1274916 0.8650466
## High:Intermittent-High:Non-Intermittent
                                             0.2006813 0.9906985
## High:Intermittent-Low:Intermittent
                                             0.2535592 0.7067087
```