Ovsanna

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Environment

```
#Choose problem
newdata <- data[which(data$...3=="Average Anxiety Today"),]</pre>
newdata <- newdata[,-c(1:3)]</pre>
p <- as.matrix(newdata)</pre>
y \leftarrow c(t(p))
y <- y[!is.na(y)]</pre>
t <- c(1:22,1:29,1:22,1:36,1:29,1:29,1:35,1:29)
T \leftarrow c(rep(0,14), rep(1,8), rep(0,21), rep(1,8), rep(0,14), rep(1,8), rep(0,28), rep(1,8), rep(0,21), rep(1,8), rep
ID \leftarrow c(rep(1,22), rep(5,29), rep(3,22), rep(6,36), rep(9,29), rep(12,29), rep(11,35), rep(17,29))
m <- data.frame(y,ID,t,T)</pre>
m$y <- as.numeric(y)</pre>
model2 \leftarrow lmer(y \sim T + t*T + (1 \mid as.factor(ID)), data = m)
m$y_pred <- fitted(model2)</pre>
summary(model2)
## Linear mixed model fit by REML. t-tests use Satterthwaite's method [
## lmerModLmerTest]
## Formula: y \sim T + t * T + (1 \mid as.factor(ID))
##
                Data: m
##
## REML criterion at convergence: 721.6
##
## Scaled residuals:
                               1Q Median
                                                                                    3Q
                                                                                                       Max
## -3.1265 -0.6162 -0.1529 0.5058 4.2155
##
## Random effects:
## Groups
                               Name
                                                                                Variance Std.Dev.
## as.factor(ID) (Intercept) 2.449
                                                                                                       1.565
## Residual
                                                                               1.106
                                                                                                       1.052
## Number of obs: 231, groups: as.factor(ID), 8
## Fixed effects:
                                             Estimate Std. Error
                                                                                                                       df t value Pr(>|t|)
                                            ## (Intercept)
## T
```

```
-0.001098
                            0.012335 221.085339 -0.089 0.92916
## t
                -0.003483
                            0.029450 221.412337 -0.118 0.90596
## T:t
## ---
## Signif. codes: 0 '*** 0.001 '** 0.01 '* 0.05 '.' 0.1 ' 1
##
## Correlation of Fixed Effects:
##
       (Intr) T
       -0.037
## T
## t
       -0.237 0.023
## T:t 0.077 -0.950 -0.260
vline_data \leftarrow data.frame(ID = c(1,3,5,6,9,11,12,17), xintercept=c(15,15,22,29,22,29,22,22))
ggplot(m, mapping = aes(x=t, y=y_pred, group=as.factor(ID))) +
  geom_line()+geom_line(aes(x=t, y=y, group=as.factor(ID), colour=as.factor(ID))) +facet_wrap(~ID)+ggti
     Average Anxiety Today
                                       3
                                                              5
   6 -
   4 -
   2 -
                                                                             as.factor(ID)
                                                                                 1
                6
                                                              11
                                                                                 3
                                                                                 5
                                                                                 6
   0 -
                                                                                 11
```

```
m$resid <- resid(model2)
acf(m[m$ID==1,]$resid)</pre>
```

30

17

20

12

20

30

Ö

10

10

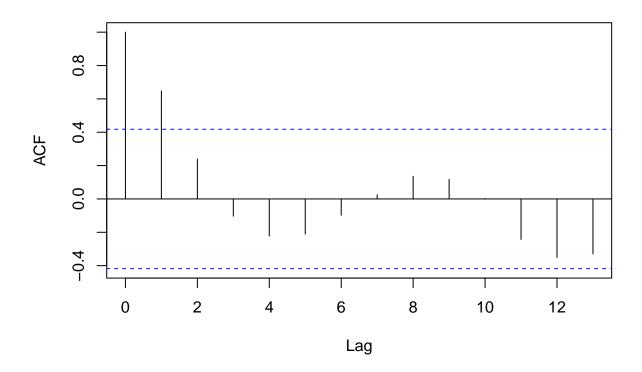
6 -4 -2 -0 - 20

30

12 17

10

Series m[m\$ID == 1,]\$resid

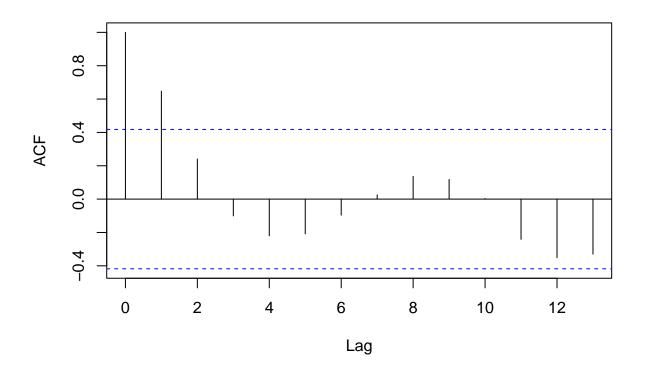


```
fm1 <- lme(y ~ T+t*T, random = ~1|as.factor(ID),correlation = corAR1(),data = m)
summary(fm1)</pre>
```

```
## Linear mixed-effects model fit by REML
##
     Data: m
##
         AIC
                  BIC
                        logLik
##
     706.966 730.9407 -346.483
##
## Random effects:
##
    Formula: ~1 | as.factor(ID)
##
           (Intercept) Residual
## StdDev:
              1.542756 1.095664
##
## Correlation Structure: AR(1)
   Formula: ~1 | as.factor(ID)
   Parameter estimate(s):
##
         Phi
##
## 0.3979963
## Fixed effects: y \sim T + t * T
##
                    Value Std.Error DF
                                          t-value p-value
## (Intercept) 2.1727949 0.5938342 220
                                         3.658925 0.0003
## T
                0.2639243 1.0007579 220
                                         0.263724
                                                   0.7922
               -0.0010191 0.0175076 220 -0.058210
## t
## T:t
               -0.0075201 0.0405089 220 -0.185641 0.8529
## Correlation:
```

```
##
       (Intr) T
       -0.069
## T
       -0.333 0.110
##
## T:t 0.118 -0.952 -0.328
## Standardized Within-Group Residuals:
                       Q1
                                 Med
                                              QЗ
                                                        Max
## -2.9515774 -0.6233737 -0.1871959 0.4940575 3.9596775
##
## Number of Observations: 231
## Number of Groups: 8
m$resid <- resid(fm1)</pre>
acf(m[m$ID==1,]$resid)
```

Series m[m\$ID == 1,]\$resid



```
m$y <- as.factor(m$y)
model <- clmm(ordered(y) ~ T + t*T + (1 | as.factor(ID)), data = m)

## Warning in update.uC(rho): Non finite negative log-likelihood
## at iteration 1010

## Warning in update.uC(rho): Non finite negative log-likelihood
## at iteration 1530

## Warning in update.uC(rho): Non finite negative log-likelihood
## at iteration 1600</pre>
```

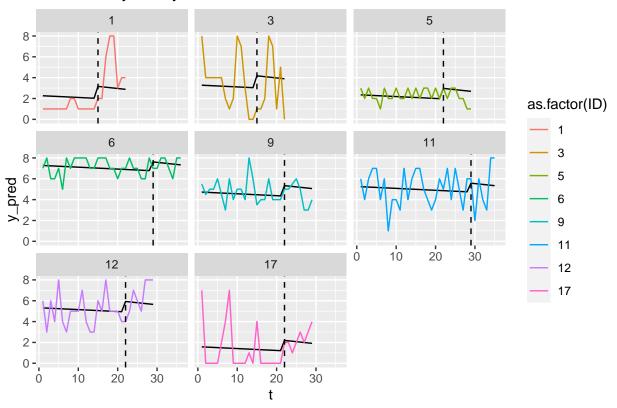
```
summary(model)
## Cumulative Link Mixed Model fitted with the Laplace approximation
## formula: ordered(y) \sim T + t * T + (1 | as.factor(ID))
## data:
##
## link threshold nobs logLik AIC
                                                                                                                   max.grad cond.H
                                                                                          niter
## logit flexible 231 -335.79 697.59 1201(7538) 1.59e+00 2.8e+03
##
## Random effects:
## Groups
                                        Name
                                                                    Variance Std.Dev.
## as.factor(ID) (Intercept) 6.777
## Number of groups: as.factor(ID) 8
## Coefficients:
##
                 Estimate Std. Error z value Pr(>|z|)
## T
                  1.521429 0.006924 219.735
                                                                                  <2e-16 ***
                 0.007117 0.005055 1.408
                                                                                        0.159
## T:t -0.047490 0.004960 -9.574
                                                                                  <2e-16 ***
## Signif. codes: 0 '*** 0.001 '** 0.01 '* 0.05 '.' 0.1 ' 1
##
## Threshold coefficients:
##
                     Estimate Std. Error z value
## 0|1
                   -2.617792 0.236740 -11.06
## 1|2
                 -0.647175 0.007012 -92.30
                      1.447853 0.006936 208.74
## 2|3
## 3|3.5 2.511110 0.006919 362.94
## 3.5|4 2.560820 0.006828 375.04
## 4|4.5 4.562857 0.006984 653.37
## 4.5|5 4.650258 0.006983 665.99
## 5|6
                5.568657
                                               0.007019 793.35
## 6|7
                      6.844701
                                               0.006989 979.38
##Max Anxiety Today
newdata <- data[which(data$...3=="Max Anxiety Today"),]</pre>
newdata <- newdata[,-c(1:3)]
p <- as.matrix(newdata)</pre>
y \leftarrow c(t(p))
y \leftarrow y[!is.na(y)]
t <- c(1:22,1:29,1:22,1:36,1:29,1:29,1:35,1:29)
T \leftarrow c(rep(0,14), rep(1,8), rep(0,21), rep(1,8), rep(0,14), rep(1,8), rep(0,28), rep(1,8), rep(0,21), rep(1,8), rep
ID \leftarrow c(rep(1,22), rep(5,29), rep(3,22), rep(6,36), rep(9,29), rep(12,29), rep(11,35), rep(17,29))
m1 <- data.frame(y,ID,t,T)</pre>
m1$y <- as.numeric(y)</pre>
model3 \leftarrow lmer(y \sim T + t*T + (1 \mid as.factor(ID)), data = m1)
m1$y_pred <- fitted(model3)</pre>
summary(model3)
```

Linear mixed model fit by REML. t-tests use Satterthwaite's method [

```
## Formula: y ~ T + t * T + (1 | as.factor(ID))
     Data: m1
##
## REML criterion at convergence: 925.7
##
## Scaled residuals:
      Min 1Q Median
##
                             3Q
                                   Max
## -2.4789 -0.6876 -0.0800 0.5115 3.3440
##
## Random effects:
## Groups
                Name
                           Variance Std.Dev.
## as.factor(ID) (Intercept) 3.912
                                   1.978
## Residual
                           2.756
                                   1.660
## Number of obs: 231, groups: as.factor(ID), 8
##
## Fixed effects:
              Estimate Std. Error
                                       df t value Pr(>|t|)
## (Intercept) 4.02130 0.74339 8.44541 5.409 0.000532 ***
               1.48380 1.17753 223.22366 1.260 0.208951
## T
## t
              -0.01821 0.01945 221.62260 -0.936 0.350308
## T:t
              ## ---
## Signif. codes: 0 '*** 0.001 '** 0.01 '* 0.05 '.' 0.1 ' 1
##
## Correlation of Fixed Effects:
##
      (Intr) T
## T -0.046
## t -0.289 0.025
## T:t 0.095 -0.950 -0.262
ggplot(m1, mapping = aes(x=t, y=y_pred, group=as.factor(ID))) +
geom_line()+geom_line(aes(x=t, y=y, group=as.factor(ID), colour=as.factor(ID))) +facet_wrap(~ID)+ggti
```

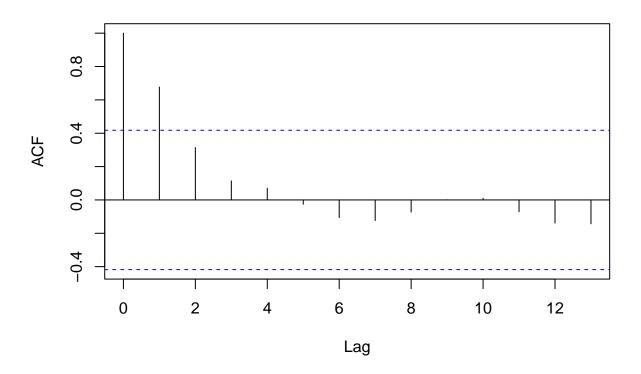
lmerModLmerTest]

Max Anxiety Today



m1\$resid <- resid(model3)
acf(m1[m1\$ID==1,]\$resid)</pre>

Series m1[m1\$ID == 1,]\$resid

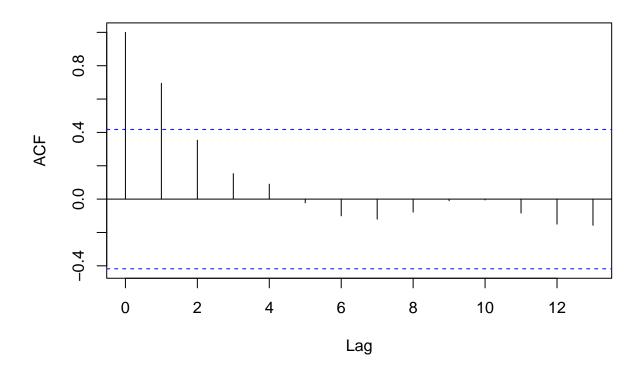


```
fm2 <- lme(y ~ T+t*T, random = ~1|as.factor(ID),correlation = corAR1(),data = m1)
summary(fm2)</pre>
```

```
## Linear mixed-effects model fit by REML
##
     Data: m1
##
          AIC
                   BIC
                         logLik
##
     920.3059 944.2806 -453.153
##
## Random effects:
##
    Formula: ~1 | as.factor(ID)
##
           (Intercept) Residual
## StdDev:
                1.9288 1.705292
##
## Correlation Structure: AR(1)
   Formula: ~1 | as.factor(ID)
   Parameter estimate(s):
##
         Phi
##
## 0.3228426
## Fixed effects: y \sim T + t * T
##
                   Value Std.Error DF
                                         t-value p-value
## (Intercept) 4.096115 0.7630646 220
                                        5.367980 0.0000
## T
                0.931428 1.4995962 220
                                        0.621119 0.5352
               -0.020236 0.0257955 220 -0.784460 0.4336
## t
## T:t
               -0.001454 0.0602599 220 -0.024126 0.9808
## Correlation:
```

```
##
       (Intr) T
       -0.075
## T
       -0.379 0.088
## t
## T:t 0.133 -0.951 -0.313
## Standardized Within-Group Residuals:
           Min
                                                             Max
                         Q1
                                                  Q3
## -2.42294175 -0.69885558 -0.09197737 0.49122749 3.13779198
##
## Number of Observations: 231
## Number of Groups: 8
m1$resid <- resid(fm2)</pre>
acf(m1[m1$ID==1,]$resid)
```

Series m1[m1\$ID == 1,]\$resid



```
m1$y <- as.factor(m1$y)
ordnal1 <- clmm(ordered(y) ~ T+t*T + (1 | as.factor(ID)), data = m1)

## Warning in update.uC(rho): Non finite negative log-likelihood
## at iteration 350

## Warning in update.uC(rho): Non finite negative log-likelihood
## at iteration 618

## Warning in update.uC(rho): Non finite negative log-likelihood
## at iteration 758</pre>
```

```
## Cumulative Link Mixed Model fitted with the Laplace approximation
## formula: ordered(y) \sim T + t * T + (1 | as.factor(ID))
## data:
##
## link threshold nobs logLik AIC
                                                                                                                          max.grad cond.H
                                                                                               niter
         logit flexible 231 -439.51 909.03 1527(9089) 6.71e-04 9.1e+04
##
## Random effects:
## Groups
                                           Name
                                                                        Variance Std.Dev.
## as.factor(ID) (Intercept) 4.534
## Number of groups: as.factor(ID) 8
## Coefficients:
##
                  Estimate Std. Error z value Pr(>|z|)
## T
                   1.230835 1.457618
                                                                     0.844
                                                                                             0.398
                -0.017650
                                          0.020088 -0.879
                                                                                             0.380
## t
## T:t -0.004956
                                          0.057090 -0.087
                                                                                             0.931
##
## Threshold coefficients:
                     Estimate Std. Error z value
## 0|1
                       -3.6952
                                                    0.8574 -4.310
## 1|2
                                                    0.8301 -2.874
                       -2.3857
## 2|3
                       -1.2853
                                                    0.8216 -1.564
## 3|3.5 -0.2761
                                                    0.8174 -0.338
## 3.5|4 -0.2409
                                                    0.8173 -0.295
## 4|4.5
                      0.8386
                                                    0.8179
                                                                       1.025
## 4.5|5
                          0.9051
                                                    0.8181
                                                                         1.106
## 5|5.5
                                                    0.8212
                                                                        1.937
                          1.5909
## 5.5|6
                          1.6572
                                                    0.8216
                                                                         2.017
## 6|7
                          2.4975
                                                    0.8293
                                                                        3.012
## 718
                          3.6631
                                                    0.8485
                                                                          4.317
##Avg Avoidance of Thoughts, Situatoins, Sensations
newdata <- data[which(data$...3=="Avg Avoidance of Thoughts, Situatoins, Sensations"),]</pre>
newdata <- newdata[,-c(1:3)]</pre>
p <- as.matrix(newdata)</pre>
y \leftarrow c(t(p))
y \leftarrow y[!is.na(y)]
t <- c(1:22,1:29,1:22,1:36,1:29,1:29,1:35,1:29)
T \leftarrow c(rep(0,14), rep(1,8), rep(0,21), rep(1,8), rep(0,14), rep(1,8), rep(0,28), rep(1,8), rep(0,21), rep(1,8), rep
ID \leftarrow c(rep(1,22), rep(5,29), rep(3,22), rep(6,36), rep(9,29), rep(12,29), rep(11,35), rep(17,29))
m2 <- data.frame(y,ID,t,T)</pre>
m2$y <- as.numeric(y)</pre>
```

Warning in update.uC(rho): Non finite negative log-likelihood

at iteration 1471

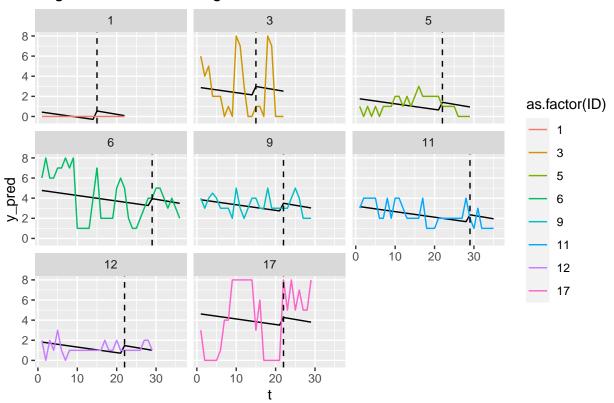
summary(ordnal1)

```
m2$y_pred <- fitted(model4)</pre>
summary(model4)
## Linear mixed model fit by REML. t-tests use Satterthwaite's method [
## lmerModLmerTest]
## Formula: y \sim T + t * T + (1 \mid as.factor(ID))
##
     Data: m2
## REML criterion at convergence: 969.5
## Scaled residuals:
       Min
                1Q
                     Median
                                   30
                                           Max
## -2.46862 -0.46695 -0.08721 0.50280 3.04935
##
## Random effects:
## Groups Name
                             Variance Std.Dev.
## as.factor(ID) (Intercept) 2.403
                                      1.550
## Residual
                             3.412
                                      1.847
## Number of obs: 231, groups: as.factor(ID), 8
##
## Fixed effects:
##
               Estimate Std. Error
                                          df t value Pr(>|t|)
## (Intercept) 2.96285
                         0.61566 9.86430
                                             4.812 0.000738 ***
## T
                           1.30502 225.35824
                                              0.806 0.420863
                1.05237
## t
               -0.05534
                           0.02161 222.91949 -2.561 0.011094 *
## T:t
                           0.05154 223.69761 -0.211 0.832764
               -0.01090
## Signif. codes: 0 '*** 0.001 '** 0.01 '* 0.05 '.' 0.1 ' 1
## Correlation of Fixed Effects:
##
       (Intr) T
## T
      -0.063
## t.
     -0.389 0.030
## T:t 0.128 -0.950 -0.267
ggplot(m2, mapping = aes(x=t, y=y_pred, group=as.factor(ID))) +
```

geom_line()+geom_line(aes(x=t, y=y, group=as.factor(ID), colour=as.factor(ID))) +facet_wrap(~ID)+ggti

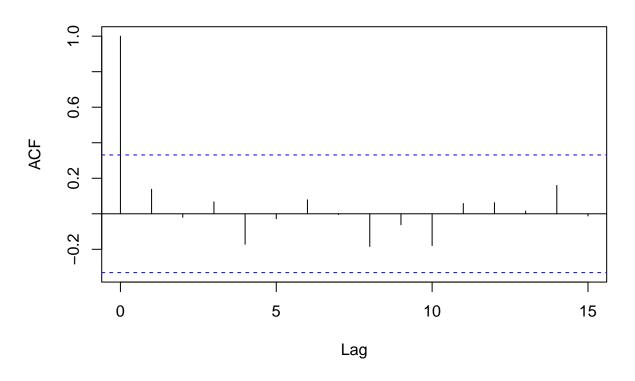
 $model4 \leftarrow lmer(y \sim T + t*T + (1 \mid as.factor(ID)), data = m2)$

Avg Avoidance of Thoughts, Situatoins, Sensations



m2\$resid <- resid(model4)
acf(m2[m2\$ID==11,]\$resid)</pre>

Series m2[m2\$ID == 11,]\$resid

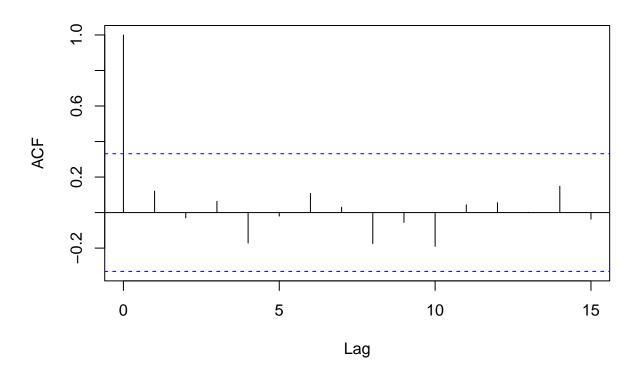


```
fm3 <- lme(y ~ T+t*T, random = ~1|as.factor(ID),correlation = corAR1(),data = m2)
summary(fm3)</pre>
```

```
## Linear mixed-effects model fit by REML
##
     Data: m2
##
          AIC
                  BIC
                         logLik
##
     899.7494 923.724 -442.8747
##
## Random effects:
##
    Formula: ~1 | as.factor(ID)
##
           (Intercept) Residual
##
              1.453105 1.950894
  StdDev:
##
## Correlation Structure: AR(1)
   Formula: ~1 | as.factor(ID)
   Parameter estimate(s):
##
         Phi
##
## 0.5905531
## Fixed effects: y \sim T + t * T
##
                    Value Std.Error DF
                                          t-value p-value
## (Intercept) 2.9351754 0.7138132 220 4.111966 0.0001
## T
                1.3935362 1.8438800 220
                                         0.755763
                                                   0.4506
               -0.0498347 0.0351442 220 -1.418006
## t
## T:t
               -0.0297657 0.0771783 220 -0.385674 0.7001
## Correlation:
```

```
## (Intr) T t
## T -0.147
## t -0.577 0.209
## T:t 0.213 -0.955 -0.396
##
## Standardized Within-Group Residuals:
## Min Q1 Med Q3 Max
## -2.2479146 -0.4204762 -0.1520656 0.5043553 2.8666134
##
## Number of Observations: 231
## Number of Groups: 8
m2$resid <- resid(fm3)
acf(m2[m2$ID==11,]$resid)
```

Series m2[m2\$ID == 11,]\$resid



```
m2$y <- as.factor(m2$y)
ordnal2 <- clmm(ordered(y) ~ T+t*T + (1 | as.factor(ID)), data = m2)

## Warning in update.uC(rho): Non finite negative log-likelihood
## at iteration 822

summary(ordnal2)</pre>
```

Cumulative Link Mixed Model fitted with the Laplace approximation

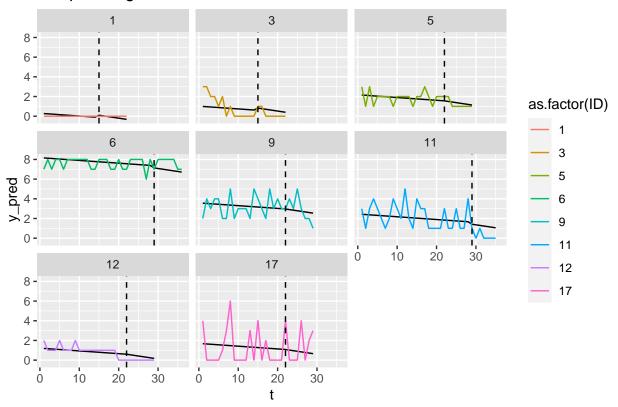
```
##
## formula: ordered(y) \sim T + t * T + (1 | as.factor(ID))
## data:
##
## link threshold nobs logLik AIC
                                                                                          niter
                                                                                                                   max.grad cond.H
## logit flexible 231 -404.26 834.53 1162(5801) 7.43e-04 7.4e+04
## Random effects:
## Groups
                                         Name
                                                                    Variance Std.Dev.
## as.factor(ID) (Intercept) 5.559
## Number of groups: as.factor(ID) 8
##
## Coefficients:
                 Estimate Std. Error z value Pr(>|z|)
##
## T
                 0.585437
                                         1.488180
                                                                    0.393
                                                                                      0.6940
## t
                -0.043191
                                        0.020932 -2.063
                                                                                      0.0391 *
## T:t -0.007854 0.055677 -0.141
                                                                                      0.8878
## Signif. codes: 0 '*** 0.001 '** 0.01 '* 0.05 '.' 0.1 ' 1
## Threshold coefficients:
                    Estimate Std. Error z value
                     -2.1710
## 0|1
                                                0.7513 -2.889
## 1|2
                      -0.5731
                                                 0.7538 - 0.760
## 2|3
                        0.6361
                                                 0.7565
                                                                   0.841
## 314
                        1.3162
                                                 0.7585
                                                                   1.735
## 4|4.5
                         2.0933
                                                 0.7649
                                                                   2.737
                                                 0.7654
## 4.5|5
                        2.1310
                                                                    2.784
## 5|6
                         2.6462
                                                 0.7734
                                                                    3.421
## 6|7
                         2.9689
                                                 0.7804
                                                                   3.805
## 7|8
                         3.4511
                                                 0.7962
                                                                   4.335
##Jump to Negative Conclusions
newdata <- data[which(data$...3=="Jump to Negative Conclusions"),]</pre>
newdata <- newdata[,-c(1:3)]</pre>
p <- as.matrix(newdata)</pre>
y \leftarrow c(t(p))
y \leftarrow y[!is.na(y)]
t \leftarrow c(1:22,1:29,1:22,1:36,1:29,1:29,1:35,1:29)
T \leftarrow c(rep(0,14), rep(1,8), rep(0,21), rep(1,8), rep(0,14), rep(1,8), rep(0,28), rep(1,8), rep(0,21), rep(1,8), rep
ID \leftarrow c(rep(1,22), rep(5,29), rep(3,22), rep(6,36), rep(9,29), rep(12,29), rep(11,35), rep(17,29))
m3 <- data.frame(y,ID,t,T)</pre>
m3$y <- as.numeric(y)
model5 \leftarrow lmer(y \sim T + t*T + (1 \mid as.factor(ID)), data = m3)
m3$y_pred <- fitted(model5)</pre>
summary(model5)
## Linear mixed model fit by REML. t-tests use Satterthwaite's method [
## lmerModLmerTest]
## Formula: y \sim T + t * T + (1 \mid as.factor(ID))
             Data: m3
##
```

```
## Scaled residuals:
     Min 1Q Median
                         3Q
## -1.6271 -0.6634 -0.0498 0.3780 4.4834
## Random effects:
## Groups
          Name
                        Variance Std.Dev.
## as.factor(ID) (Intercept) 6.153
                                2.481
## Residual
                        1.019
                                1.009
## Number of obs: 231, groups: as.factor(ID), 8
## Fixed effects:
             Estimate Std. Error
                                   df t value Pr(>|t|)
            ## (Intercept)
## T
             0.70662
                     0.71833 220.86647 0.984
                                             0.3263
## t
             -0.03221 0.02829 220.54215 -1.139 0.2561
## T:t
## ---
## Signif. codes: 0 '*** 0.001 '** 0.01 '* 0.05 '.' 0.1 ' 1
## Correlation of Fixed Effects:
##
      (Intr) T
## T -0.023
## t -0.147 0.020
## T:t 0.048 -0.950 -0.258
ggplot(m3, mapping = aes(x=t, y=y_pred, group=as.factor(ID))) +
geom_line()+geom_line(aes(x=t, y=y, group=as.factor(ID), colour=as.factor(ID))) +facet_wrap(~ID)+ggti
```

##

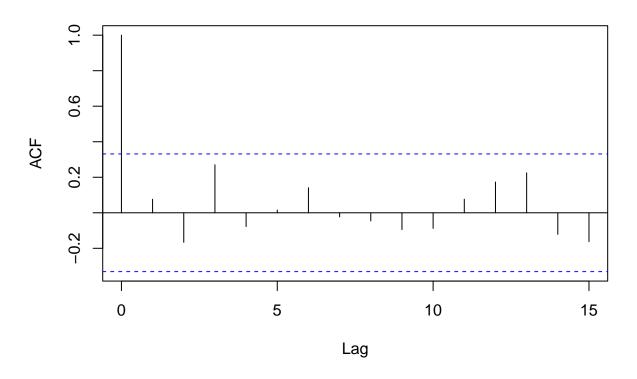
REML criterion at convergence: 709.9

Jump to Negative Conclusions



m3\$resid <- resid(model5)
acf(m3[m3\$ID==11,]\$resid)</pre>

Series m3[m3\$ID == 11,]\$resid

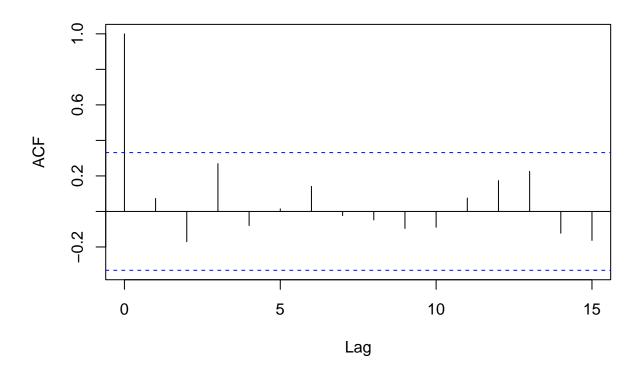


```
fm4 <- lme(y ~ T+t*T, random = ~1|as.factor(ID),correlation = corAR1(),data = m3)
summary(fm4)</pre>
```

```
## Linear mixed-effects model fit by REML
##
     Data: m3
##
          AIC
                   BIC
                          logLik
##
     722.2966 746.2713 -354.1483
##
## Random effects:
##
    Formula: ~1 | as.factor(ID)
##
           (Intercept) Residual
##
              2.479103 1.014317
  StdDev:
##
## Correlation Structure: AR(1)
   Formula: ~1 | as.factor(ID)
   Parameter estimate(s):
##
          Phi
##
## 0.09105591
## Fixed effects: y \sim T + t * T
##
                    Value Std.Error DF
                                            t-value p-value
## (Intercept)
               2.5834499 0.8922526 220
                                          2.8954243 0.0042
## T
                0.7627374 0.7733931 220
                                                     0.3251
                                         0.9862221
               -0.0282528 0.0128449 220 -2.1995349
## t
## T:t
               -0.0343015 0.0305548 220 -1.1226242 0.2628
## Correlation:
```

```
##
       (Intr) T
       -0.026
## T
       -0.159 0.032
## T:t 0.052 -0.950 -0.267
## Standardized Within-Group Residuals:
                        Q1
                                                           Max
                                                Q3
## -1.63813204 -0.65743251 -0.05458645 0.37839029 4.44430361
##
## Number of Observations: 231
## Number of Groups: 8
m3$resid <- resid(fm4)
acf(m3[m3$ID==11,]$resid)
```

Series m3[m3\$ID == 11,]\$resid



```
m3$y <- as.factor(m3$y)
ordnal3 <- clmm(ordered(y) ~ T+t*T + (1 | as.factor(ID)), data = m3)
summary(ordnal3)

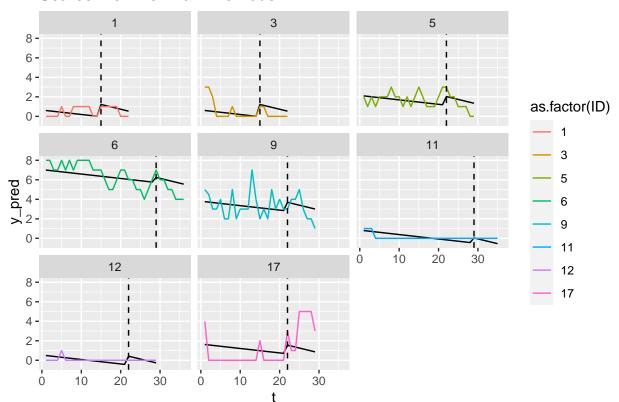
## Cumulative Link Mixed Model fitted with the Laplace approximation
##
formula: ordered(y) ~ T + t * T + (1 | as.factor(ID))
## data: m3
##
## link threshold nobs logLik AIC niter max.grad cond.H</pre>
```

```
## logit flexible 231 -288.62 601.23 1089(11331) 1.06e-04 3.0e+05
##
## Random effects:
## Groups
                                                                    Variance Std.Dev.
                                        Name
## as.factor(ID) (Intercept) 25.07
## Number of groups: as.factor(ID) 8
## Coefficients:
##
                Estimate Std. Error z value Pr(>|z|)
## T
                  0.98291 1.63579 0.601
                                                                                    0.5479
              -0.05472
                                          0.02322 -2.357
                                                                                    0.0184 *
## T:t -0.05465
                                      0.06252 -0.874
                                                                                    0.3821
## ---
## Signif. codes: 0 '*** 0.001 '** 0.01 '* 0.05 '.' 0.1 ' 1
##
## Threshold coefficients:
##
                Estimate Std. Error z value
## 0|1 -2.7378
                                         1.8521 -1.478
## 1|2 -1.0018
                                             1.8463 -0.543
## 2|3
                  0.3107
                                             1.8459
                                                                  0.168
## 3|4
                  1.6044
                                             1.8523
                                                                0.866
## 4|5
                  3.0195
                                             1.8766
                                                                1.609
## 5|6
                                                                  2.309
                  4.5991
                                             1.9917
## 617
                    6.3342
                                             2.3702
                                                                  2.672
## 7|8
                  9.1337
                                             2.5084
                                                                  3.641
##Scares Me when I am Nervous
newdata <- data[which(data$...3=="Scares Me when I am Nervous"),]</pre>
newdata <- newdata[,-c(1:3)]</pre>
p <- as.matrix(newdata)</pre>
y \leftarrow c(t(p))
y \leftarrow y[!is.na(y)]
t <- c(1:22,1:29,1:22,1:36,1:29,1:29,1:35,1:29)
T \leftarrow c(rep(0,14), rep(1,8), rep(0,21), rep(1,8), rep(0,14), rep(1,8), rep(0,28), rep(1,8), rep(0,21), rep(1,8), rep
ID \leftarrow c(rep(1,22),rep(5,29),rep(3,22),rep(6,36),rep(9,29),rep(12,29),rep(11,35),rep(17,29))
m4 <- data.frame(y,ID,t,T)</pre>
m4$y <- as.numeric(y)</pre>
model6 \leftarrow lmer(y \sim T + t*T + (1 \mid as.factor(ID)), data = m4)
m4$y pred <- fitted(model6)
summary(model6)
## Linear mixed model fit by REML. t-tests use Satterthwaite's method [
## lmerModLmerTest]
## Formula: y ~ T + t * T + (1 | as.factor(ID))
             Data: m4
##
##
## REML criterion at convergence: 715.7
## Scaled residuals:
                Min
                                    1Q Median
                                                                         3Q
## -1.9535 -0.5700 -0.0776 0.3550 3.9370
```

```
##
## Random effects:
                              Variance Std.Dev.
                  Name
                                       2.269
   as.factor(ID) (Intercept) 5.150
   Residual
                              1.052
                                       1.026
## Number of obs: 231, groups: as.factor(ID), 8
## Fixed effects:
##
                Estimate Std. Error
                                           df t value Pr(>|t|)
                 2.16590
                            0.81736
                                      7.42557
                                                2.650 0.031243 *
## (Intercept)
                 2.04479
                            0.72973 221.06774
                                                2.802 0.005527 **
                -0.04548
                            0.01204 220.51531 -3.778 0.000203 ***
## t
## T:t
                -0.05264
                            0.02874 220.67366 -1.831 0.068379 .
## ---
## Signif. codes: 0 '*** 0.001 '** 0.01 '* 0.05 '.' 0.1 ' ' 1
##
## Correlation of Fixed Effects:
##
       (Intr) T
       -0.025
## T
       -0.163 0.021
## t
## T:t 0.053 -0.950 -0.258
```

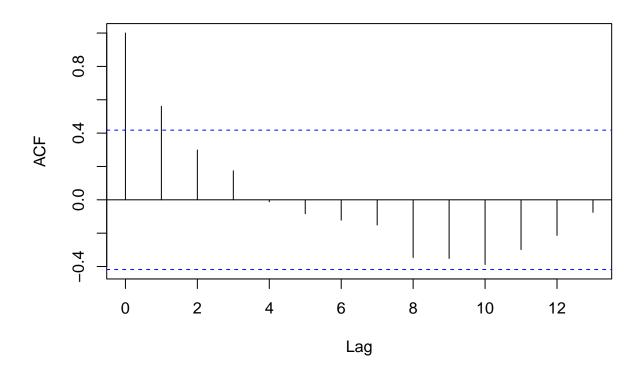
```
ggplot(m4, mapping = aes(x=t, y=y_pred, group=as.factor(ID))) +
geom_line()+geom_line(aes(x=t, y=y, group=as.factor(ID), colour=as.factor(ID))) +facet_wrap(~ID)+ggti
```

Scares Me when I am Nervous



```
m4$resid <- resid(model6)
acf(m4[m4$ID==1,]$resid)</pre>
```

Series m4[m4\$ID == 1,]\$resid

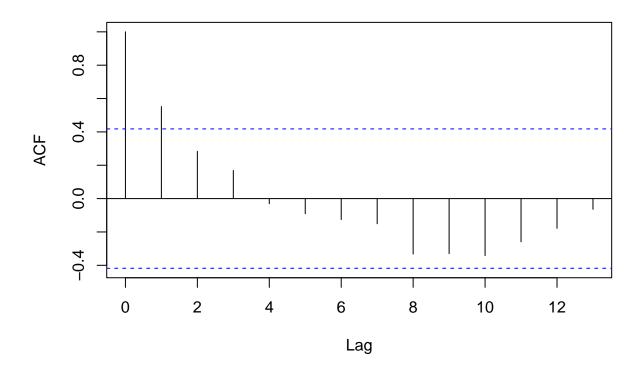


```
fm5 <- lme(y ~ T+t*T, random = ~1|as.factor(ID), correlation = corAR1(), data = m4)
summary(fm5)</pre>
```

```
## Linear mixed-effects model fit by REML
##
     Data: m4
##
          AIC
                  BIC
                         logLik
     626.5114 650.486 -306.2557
##
##
## Random effects:
    Formula: ~1 | as.factor(ID)
           (Intercept) Residual
##
               2.22368 1.134915
## StdDev:
##
## Correlation Structure: AR(1)
   Formula: ~1 | as.factor(ID)
##
    Parameter estimate(s):
##
         Phi
## 0.6709375
## Fixed effects: y \sim T + t * T
                    Value Std.Error DF
                                           t-value p-value
## (Intercept) 2.3685784 0.8454966 220
                                          2.801405 0.0055
                1.8656768 1.0657592 220
                                         1.750561 0.0814
## T
```

```
-0.0566064 0.0214366 220 -2.640642 0.0089
               -0.0463229 0.0451578 220 -1.025802 0.3061
## T:t
    Correlation:
##
       (Intr) T
                     t
## T
       -0.077
## t
       -0.302 0.233
## T:t 0.107 -0.958 -0.401
##
## Standardized Within-Group Residuals:
##
                                   Med
                        Q1
                                                QЗ
## -1.76879049 -0.56613158 -0.07944127 0.36307998 3.43259283
## Number of Observations: 231
## Number of Groups: 8
m4$resid <- resid(fm5)
acf(m4[m4$ID==1,]$resid)
```

Series m4[m4\$ID == 1,]\$resid



```
m4$y <- as.factor(m4$y)
ordnal4 <- clmm(ordered(y) ~ T+t*T + (1 | as.factor(ID)), data = m4)

## Warning in update.uC(rho): Non finite negative log-likelihood
## at iteration 2053</pre>
```

```
summary(ordnal4)
## Cumulative Link Mixed Model fitted with the Laplace approximation
## formula: ordered(y) \sim T + t * T + (1 | as.factor(ID))
## data:
                          m4
##
## link threshold nobs logLik AIC
                                                                                          niter
                                                                                                                     max.grad cond.H
## logit flexible 231 -257.82 541.64 1222(10787) 1.06e-03 1.7e+05
##
## Random effects:
                                                                    Variance Std.Dev.
## Groups
                                        Name
## as.factor(ID) (Intercept) 15.08
## Number of groups: as.factor(ID) 8
## Coefficients:
               Estimate Std. Error z value Pr(>|z|)
##
## T
                 5.61462 1.50481 3.731 0.000191 ***
            ## Signif. codes: 0 '*** 0.001 '** 0.01 '* 0.05 '.' 0.1 ' 1
##
## Threshold coefficients:
##
                    Estimate Std. Error z value
                    -1.9914
## 0|1
                                              1.4317 -1.391
## 1|2
                     -0.3544
                                                 1.4340 -0.247
## 2|3
                        0.9626
                                                 1.4402
                                                                     0.668
## 3|4
                        2.2800
                                               1.4539
                                                                   1.568
## 4|4.5 3.1977
                                              1.4669
                                                                   2.180
## 4.5|5
                        3.2910
                                               1.4686
                                                                     2.241
## 5|6
                        5.1397
                                                1.5205
                                                                     3.380
## 6|7
                        6.1305
                                                 1.5391
                                                                     3.983
## 7|8
                        7.9343
                                                 1.5737
                                                                     5.042
##Confident in My Ability to Handle Situations
newdata <- data[which(data$...3=="Confident in My Ability to Handle Situations"),]</pre>
newdata <- newdata[,-c(1:3)]</pre>
p <- as.matrix(newdata)</pre>
y \leftarrow c(t(p))
y <- y[!is.na(y)]</pre>
t <- c(1:22,1:29,1:22,1:36,1:29,1:29,1:35,1:29)
T \leftarrow c(rep(0,14), rep(1,8), rep(0,21), rep(1,8), rep(0,14), rep(1,8), rep(0,28), rep(1,8), rep(0,21), rep(1,8), rep
ID \leftarrow c(rep(1,22), rep(5,29), rep(3,22), rep(6,36), rep(9,29), rep(12,29), rep(11,35), rep(17,29))
m5 <- data.frame(y,ID,t,T)</pre>
m5$y <- as.numeric(y)</pre>
model7 \leftarrow lmer(y \sim T + t*T + (1 \mid as.factor(ID)), data = m5)
```

Linear mixed model fit by REML. t-tests use Satterthwaite's method [

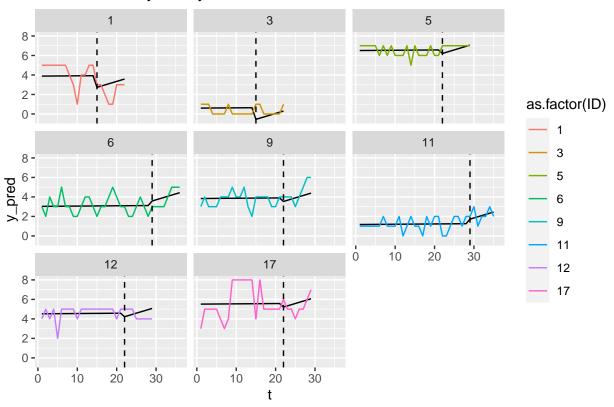
m5\$y_pred <- fitted(model7)</pre>

summary(model7)

```
## Formula: y ~ T + t * T + (1 | as.factor(ID))
    Data: m5
##
## REML criterion at convergence: 676
##
## Scaled residuals:
##
      Min
          1Q
                 Median
                             3Q
## -3.09674 -0.61119 -0.04734 0.51128 2.61474
##
## Random effects:
## Groups
              Name
                        Variance Std.Dev.
## as.factor(ID) (Intercept) 4.0812
                               2.0202
                        0.8851
## Residual
                                0.9408
## Number of obs: 231, groups: as.factor(ID), 8
##
## Fixed effects:
             Estimate Std. Error
                                     df t value Pr(>|t|)
##
                                        4.985 0.00132 **
## (Intercept) 3.631392 0.728410 7.451728
             ## T
## t
             ## T:t
             ## ---
## Signif. codes: 0 '*** 0.001 '** 0.01 '* 0.05 '.' 0.1 ' 1
##
## Correlation of Fixed Effects:
##
     (Intr) T
## T
     -0.026
## t -0.167 0.021
## T:t 0.054 -0.950 -0.258
ggplot(m5, mapping = aes(x=t, y=y_pred, group=as.factor(ID))) +
geom_line()+geom_line(aes(x=t, y=y, group=as.factor(ID), colour=as.factor(ID))) +facet_wrap(~ID)+ggti
```

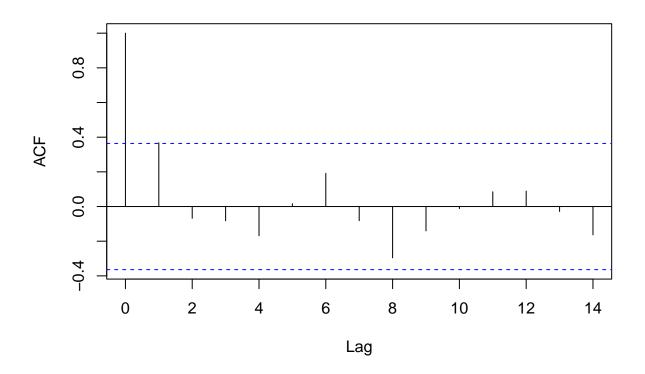
lmerModLmerTest]

Confident in My Ability to Handle Situations



m5\$resid <- resid(model7)
acf(m5[m5\$ID==9,]\$resid)</pre>

Series m5[m5\$ID == 9,]\$resid

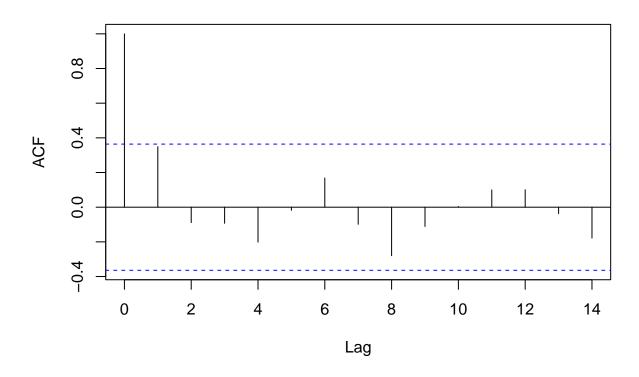


```
fm6 <- lme(y ~ T+t*T, random = ~1|as.factor(ID),correlation = corAR1(),data = m5)
summary(fm6)</pre>
```

```
## Linear mixed-effects model fit by REML
##
     Data: m5
##
          AIC
                   BIC
                          logLik
##
     646.5545 670.5292 -316.2773
##
## Random effects:
##
    Formula: ~1 | as.factor(ID)
##
           (Intercept) Residual
##
              1.996783 0.9790513
  StdDev:
##
## Correlation Structure: AR(1)
   Formula: ~1 | as.factor(ID)
   Parameter estimate(s):
##
         Phi
##
## 0.4546163
## Fixed effects: y \sim T + t * T
##
                   Value Std.Error DF
                                         t-value p-value
## (Intercept)
               3.624237 0.7395952 220
                                        4.900298 0.0000
## T
               -2.465010 0.9154983 220 -2.692534 0.0076
               -0.000107 0.0162789 220 -0.006600 0.9947
## t
## T:t
                0.105658 0.0373027 220 2.832463 0.0050
## Correlation:
```

```
##
       (Intr) T
       -0.054
## T
       -0.250 0.129
## T:t 0.089 -0.952 -0.340
## Standardized Within-Group Residuals:
                                   Med
                                                           Max
                                                Q3
## -2.89451854 -0.50611903 -0.08502216 0.55065363 2.61464026
##
## Number of Observations: 231
## Number of Groups: 8
m5$resid <- resid(fm6)
acf(m5[m5$ID==9,]$resid)
```

Series m5[m5\$ID == 9,]\$resid



```
m5$y <- as.factor(m5$y)
ordnal5 <- clmm(ordered(y) ~ T+t*T + (1 | as.factor(ID)), data = m5)
summary(ordnal5)

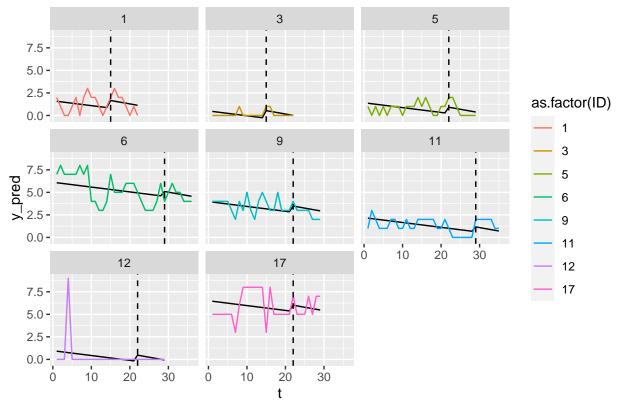
## Cumulative Link Mixed Model fitted with the Laplace approximation
##
formula: ordered(y) ~ T + t * T + (1 | as.factor(ID))
## data: m5
##
## link threshold nobs logLik AIC niter max.grad cond.H</pre>
```

```
## logit flexible 231 -311.87 647.74 981(7739) 6.82e-04 2.1e+05
##
## Random effects:
                                                                   Variance Std.Dev.
## Groups
                                        Name
## as.factor(ID) (Intercept) 16.08
## Number of groups: as.factor(ID) 8
## Coefficients:
##
                 Estimate Std. Error z value Pr(>|z|)
## T
               -6.264064 1.497744 -4.182 2.89e-05 ***
                 0.001652 0.021297
                                                                   0.078
                                                                                       0.938
## T:t 0.252169
                                       0.057923
                                                                   4.353 1.34e-05 ***
## ---
## Signif. codes: 0 '*** 0.001 '** 0.01 '* 0.05 '.' 0.1 ' 1
##
## Threshold coefficients:
##
               Estimate Std. Error z value
## 0|1 -6.8482
                                          1.5645 -4.377
## 1|2 -4.1106
                                             1.5088 -2.724
## 2|3 -1.9650
                                            1.4736 -1.333
## 3|4
                  0.0388
                                            1.4635
                                                              0.027
## 4|5
                  1.6613
                                            1.4636
                                                               1.135
## 5|6
                  4.3446
                                            1.4885
                                                                 2.919
## 617
                    5.5311
                                            1.5105
                                                                 3.662
## 7|8
                 7.3934
                                             1.5534
                                                                 4.760
##Push Away Thoughts and Feelings I Do Not Like
newdata <- data[which(data$...3=="Push Away Thoughts and Feelings I Do Not Like"),]
newdata <- newdata[,-c(1:3)]</pre>
p <- as.matrix(newdata)</pre>
y \leftarrow c(t(p))
y <- y[!is.na(y)]</pre>
t <- c(1:22,1:29,1:22,1:36,1:29,1:29,1:35,1:29)
T \leftarrow c(rep(0,14), rep(1,8), rep(0,21), rep(1,8), rep(0,14), rep(1,8), rep(0,28), rep(1,8), rep(0,21), rep(1,8), rep
ID \leftarrow c(rep(1,22),rep(5,29),rep(3,22),rep(6,36),rep(9,29),rep(12,29),rep(11,35),rep(17,29))
m6 <- data.frame(y,ID,t,T)</pre>
m6$y <- as.numeric(y)</pre>
model8 \leftarrow lmer(y \sim T+ t*T + (1 \mid as.factor(ID)), data = m6)
m6$y_pred <- fitted(model8)</pre>
summary(model8)
## Linear mixed model fit by REML. t-tests use Satterthwaite's method [
## lmerModLmerTest]
## Formula: y ~ T + t * T + (1 | as.factor(ID))
##
             Data: m6
##
## REML criterion at convergence: 760.2
## Scaled residuals:
               Min
                                   1Q Median
                                                                        3Q
## -2.7610 -0.5608 -0.1045 0.4846 7.2786
```

```
##
## Random effects:
                              Variance Std.Dev.
                  Name
                                       2.352
   as.factor(ID) (Intercept) 5.532
##
   Residual
                              1.285
                                       1.134
## Number of obs: 231, groups:
                                as.factor(ID), 8
## Fixed effects:
##
                Estimate Std. Error
                                           df t value Pr(>|t|)
                            0.84920
                                                 3.430 0.00994 **
## (Intercept)
                 2.91240
                                      7.47426
                 1.17029
                            0.80633 221.19792
                                                1.451 0.14809
                -0.05375
                            0.01330 220.57485
                                               -4.041 7.37e-05 ***
## t
## T:t
                -0.02202
                            0.03176 220.75374 -0.693 0.48878
## ---
## Signif. codes: 0 '*** 0.001 '** 0.01 '* 0.05 '.' 0.1 ' ' 1
## Correlation of Fixed Effects:
##
       (Intr) T
       -0.027
## T
       -0.173 0.021
## t
## T:t 0.056 -0.950 -0.258
```

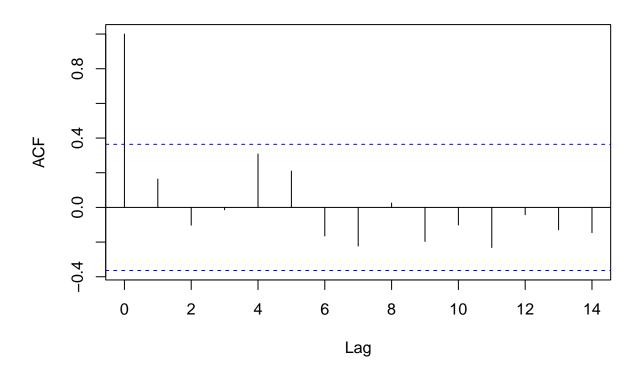
```
ggplot(m6, mapping = aes(x=t, y=y_pred, group=as.factor(ID))) +
  geom_line()+geom_line(aes(x=t, y=y, group=as.factor(ID), colour=as.factor(ID))) +facet_wrap(~ID)+ggti
```

Push Away Thoughts and Feelings I Do Not Like



```
m6$resid <- resid(model8)
acf(m6[m6$ID==9,]$resid)</pre>
```

Series m6[m6\$ID == 9,]\$resid

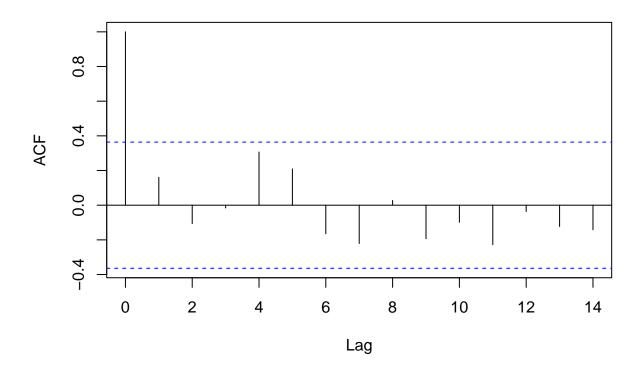


```
fm7 <- lme(y ~ T+t*T, random = ~1|as.factor(ID),correlation = corAR1(),data = m6)
summary(fm7)</pre>
```

```
## Linear mixed-effects model fit by REML
##
     Data: m6
##
          AIC
                   BIC
                          logLik
##
     750.9272 774.9019 -368.4636
##
## Random effects:
    Formula: ~1 | as.factor(ID)
           (Intercept) Residual
##
              2.351128 1.155872
## StdDev:
##
## Correlation Structure: AR(1)
    Formula: ~1 | as.factor(ID)
    Parameter estimate(s):
##
##
         Phi
## 0.3271351
## Fixed effects: y \sim T + t * T
                    Value Std.Error DF
                                           t-value p-value
## (Intercept) 2.8771326 0.8633003 220
                                         3.332713 0.0010
                1.3259463 1.0232815 220
                                         1.295779 0.1964
## T
```

```
-0.0516173 0.0175745 220 -2.937062 0.0037
               -0.0288226 0.0410666 220 -0.701851 0.4835
## T:t
    Correlation:
##
       (Intr) T
                     t
## T
       -0.044
## t
       -0.228 0.083
## T:t 0.079 -0.951 -0.308
##
## Standardized Within-Group Residuals:
##
          Min
                       Q1
                                 {\tt Med}
                                              QЗ
                                                        Max
## -2.6735718 -0.5284025 -0.1054118 0.4539406 7.1520062
##
## Number of Observations: 231
## Number of Groups: 8
m6$resid <- resid(fm7)</pre>
acf(m6[m6$ID==9,]$resid)
```

Series m6[m6\$ID == 9,]\$resid



```
m6$y <- factor(m6$y, ordered = TRUE)
ordnal6 <- clmm(y ~ T+ t*T + (1 | as.factor(ID)), data = m6)
summary(ordnal6)</pre>
```

Warning in summary.clmm(ordnal6): Variance-covariance matrix of the parameters
is not defined

```
## Cumulative Link Mixed Model fitted with the Laplace approximation
##
## formula: y ~ T + t * T + (1 | as.factor(ID))
## data:
                            m6
## link threshold nobs logLik AIC
                                                                                                                            max.grad cond.H
                                                                                               niter
## logit flexible 231 -289.61 605.23 1125(10014) 1.82e+00 NaN
##
## Random effects:
## Groups
                                           Name
                                                                       Variance Std.Dev.
## as.factor(ID) (Intercept) 21.75
## Number of groups: as.factor(ID) 8
## Coefficients:
##
                Estimate Std. Error z value Pr(>|z|)
## T
                   2.86726
                                                      NaN
                                                                          NaN
                                                                                               NaN
                -0.08152
                                                       NaN
                                                                                               NaN
## t
                                                                          NaN
## T:t -0.07006
                                                       NaN
                                                                          NaN
                                                                                               NaN
## Threshold coefficients:
##
                Estimate Std. Error z value
## 0|1 -3.6809
                                                    {\tt NaN}
## 1|2 -1.8605
                                                      {\tt NaN}
                                                                          NaN
## 2|3
                    0.6938
                                                      NaN
                                                                          NaN
## 3|4
                   2.8286
                                                      NaN
                                                                          NaN
## 4|5
                    4.1175
                                                      NaN
                                                                          NaN
## 5|6
                     5.7295
                                                       {\tt NaN}
                                                                          NaN
## 6|7
                     6.1387
                                                                          NaN
                                                       NaN
## 7|8
                    7.1348
                                                       {\tt NaN}
                                                                          NaN
## 8|9
                     9.7243
                                                       NaN
                                                                          NaN
##Physical Feelings in My Body Scare Me
newdata <- data[which(data$...3=="Physical Feelings in My Body Scare Me"),]</pre>
newdata <- newdata[,-c(1:3)]</pre>
p <- as.matrix(newdata)</pre>
y \leftarrow c(t(p))
y <- y[!is.na(y)]</pre>
t <- c(1:22,1:29,1:22,1:36,1:29,1:29,1:35,1:29)
T \leftarrow c(rep(0,14), rep(1,8), rep(0,21), rep(1,8), rep(0,14), rep(1,8), rep(0,28), rep(1,8), rep(0,21), rep(1,8), rep
ID \leftarrow c(rep(1,22),rep(5,29),rep(3,22),rep(6,36),rep(9,29),rep(12,29),rep(11,35),rep(17,29))
m7 <- data.frame(y,ID,t,T)</pre>
m7$y <- as.numeric(y)
model9 \leftarrow lmer(y \sim T + t*T + (1 \mid as.factor(ID)), data = m7)
m7$y_pred <- fitted(model9)</pre>
summary(model9)
## Linear mixed model fit by REML. t-tests use Satterthwaite's method [
## lmerModLmerTest]
## Formula: y ~ T + t * T + (1 | as.factor(ID))
##
              Data: m7
```

##

```
## -2.8165 -0.2910 -0.0668 0.1268 6.6611
##
## Random effects:
## Groups
                Name
                       Variance Std.Dev.
## as.factor(ID) (Intercept) 7.5792 2.7530
                          0.5043
                                  0.7102
## Residual
## Number of obs: 231, groups: as.factor(ID), 8
## Fixed effects:
               Estimate Std. Error
                                        df t value Pr(>|t|)
## (Intercept) 1.336496
                        0.979308
                                 7.140944 1.365
                                                    0.2138
               ## T
                                                    0.2683
## t
              0.009391 0.008337 220.174137 1.126 0.2613
## T:t
             -0.034975 0.019912 220.227741 -1.757 0.0804 .
## Signif. codes: 0 '*** 0.001 '** 0.01 '* 0.05 '.' 0.1 ' 1
## Correlation of Fixed Effects:
      (Intr) T
##
## T -0.015
## t -0.094 0.020
## T:t 0.030 -0.950 -0.257
ggplot(m7, mapping = aes(x=t, y=y_pred, group=as.factor(ID))) +
 geom_line()+geom_line(aes(x=t, y=y, group=as.factor(ID), colour=as.factor(ID))) +facet_wrap(~ID)+ggti
```

REML criterion at convergence: 556.6

3Q

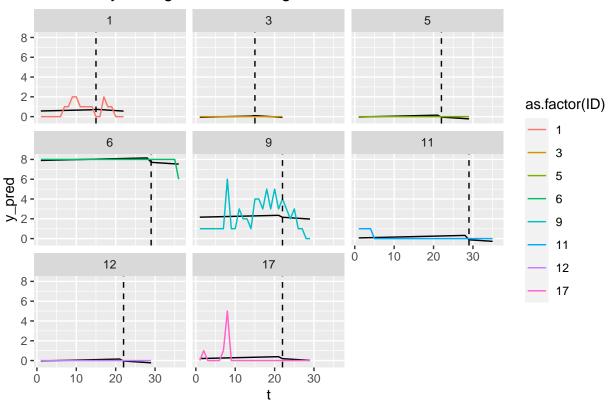
Max

Min 1Q Median

##

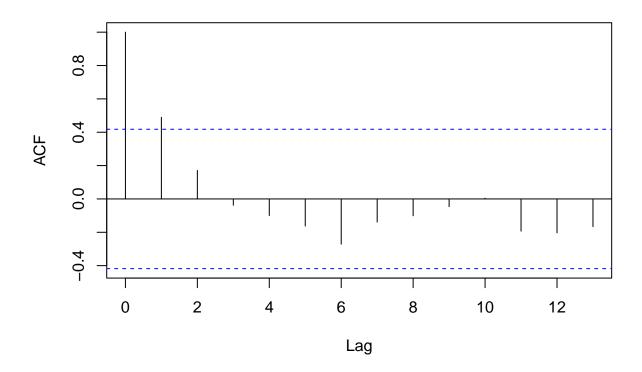
Scaled residuals:

Push Away Thoughts and Feelings I Do Not Like



m7\$resid <- resid(model9)
acf(m7[m7\$ID==1,]\$resid)</pre>

Series m7[m7\$ID == 1,]\$resid

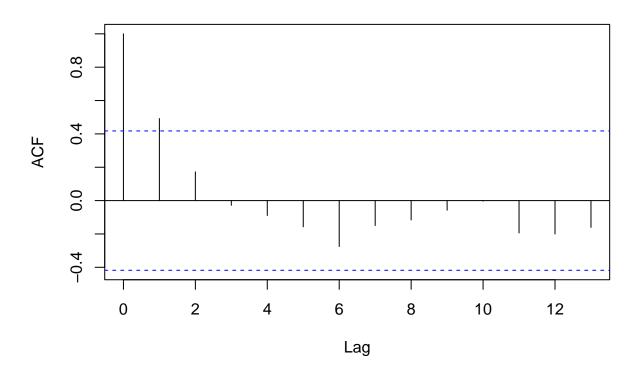


```
fm8 <- lme(y ~ T+t*T, random = ~1|as.factor(ID),correlation = corAR1(),data = m7)
summary(fm8)</pre>
```

```
## Linear mixed-effects model fit by REML
##
     Data: m7
##
          AIC
                   BIC
                          logLik
##
     543.8212 567.7959 -264.9106
##
## Random effects:
##
    Formula: ~1 | as.factor(ID)
##
           (Intercept) Residual
## StdDev:
              2.745514 0.7291276
##
## Correlation Structure: AR(1)
   Formula: ~1 | as.factor(ID)
   Parameter estimate(s):
##
         Phi
##
## 0.3603219
## Fixed effects: y \sim T + t * T
##
                    Value Std.Error DF
                                          t-value p-value
## (Intercept)
                1.3543270 0.9824060 220
                                          1.378582 0.1694
## T
                0.6377633 0.6572827 220
                                         0.970303
                                                   0.3330
                0.0068061 0.0113633 220
## t
                                         0.598956
## T:t
               -0.0364790 0.0264524 220 -1.379041 0.1693
## Correlation:
```

```
##
       (Intr) T
## T
       -0.026
       -0.130 0.092
## T:t 0.045 -0.951 -0.313
## Standardized Within-Group Residuals:
                                   Med
                        Q1
                                                Q3
## -2.64643410 -0.30198290 -0.05895287 0.11544185 6.47916091
##
## Number of Observations: 231
## Number of Groups: 8
m7$resid <- resid(fm8)
acf(m7[m7$ID==1,]$resid)
```

Series m7[m7\$ID == 1,]\$resid



```
m7$y <- factor(m7$y, ordered = TRUE)
ordnal7 <- clmm(y ~ T+ t*T + (1 | as.factor(ID)), data = m7)
summary(ordnal7)

## Cumulative Link Mixed Model fitted with the Laplace approximation
##
formula: y ~ T + t * T + (1 | as.factor(ID))
## data: m7
##
## link threshold nobs logLik AIC niter max.grad cond.H</pre>
```

```
## logit flexible 231 -117.22 256.43 1247(13567) 1.12e+02 1.2e+07
##
## Random effects:
## Groups Name
                         Variance Std.Dev.
## as.factor(ID) (Intercept) 65.07
## Number of groups: as.factor(ID) 8
## Coefficients:
       Estimate Std. Error z value Pr(>|z|)
## T
      ## t 0.0080512 0.0006694 12.03 <2e-16 ***
## T:t -0.2772134  0.0006686 -414.62  <2e-16 ***
## Signif. codes: 0 '*** 0.001 '** 0.01 '* 0.05 '.' 0.1 ' 1
##
## Threshold coefficients:
##
      Estimate Std. Error z value
## 0|1 2.863e+00 6.686e-04 4282.211
## 1|2 5.151e+00 4.280e-01
                         12.035
## 2|3 5.811e+00 4.794e-01
                         12.121
## 3|4 6.704e+00 5.624e-01 11.920
## 4|5 7.363e+00 6.512e-01 11.306
## 5|6 8.637e+00 9.682e-01 8.921
## 6|8 1.113e+01 2.213e+00 5.030
```