> cogProcess<-lmer(CogProcess~PartyAffiliation\*War+(1|Name)+(1|Venue), data=data, REML=FALSE, na.action=na.omit)

> summary(cogProcess)

Linear mixed model fit by maximum likelihood ['lmerMod']

Formula: CogProcess ~ PartyAffiliation \* War + (1 | Name) + (1 | Venue)

Data: data

AIC BIC logLik deviance

7260.481 7300.537 -3623.240 7246.481

Random effects:

Groups Name Variance Std.Dev.

Name (Intercept) 0.1103 0.3321

Venue (Intercept) 4.5151 2.1249

Residual 1.3443 1.1594

Number of obs: 2258, groups: Name, 554; Venue, 5

Fixed effects:

Estimate Std. Error t value

(Intercept) 0.781862 0.953020 0.820

PartyAffiliation -0.009509 0.080611 -0.118

War 0.428884 0.083327 5.147

PartyAffiliation:War 0.271630 0.108682 2.499

Correlation of Fixed Effects:

(Intr) PrtyAf War

PartyAffltn -0.044

War -0.035 0.443

PrtyAfflt:W 0.027 -0.614 -0.711

> out1 <- summary(cogProcess)

> coef1 <- coef(out1)

> tvalue1 <- coef1[,"t value"]

> pnorm(abs(tvalue1), lower.tail=FALSE) \* 2

(Intercept) PartyAffiliation War PartyAffiliation:War

0.4119852104608 0.9060964601407 0.0000002646592 0.0124430588032

> confint(cogProcess,method="profile")

Computing profile confidence intervals ...

2.5 % 97.5 %

.sig01 0.25059318 0.4168455

.sig02 1.25904499 4.6480106

.sigma 1.12341934 1.1971296

(Intercept) -1.50686248 3.0807681

PartyAffiliation -0.16781942 0.1489754

War 0.26548907 0.5923024

PartyAffiliation:War 0.05851825 0.4847741

> catThink<-lmer(CatThink~PartyAffiliation\*War+(1|Name)+(1|Venue), data=data, REML=FALSE, na.action=na.omit)

> summary(catThink)

Linear mixed model fit by maximum likelihood ['lmerMod']

Formula: CatThink ~ PartyAffiliation \* War + (1 | Name) + (1 | Venue)

Data: data

AIC BIC logLik deviance

9565.783 9605.838 -4775.891 9551.783

Random effects:

Groups Name Variance Std.Dev.

Name (Intercept) 1.471 1.213

Venue (Intercept) 5.802 2.409

Residual 3.241 1.800

Number of obs: 2258, groups: Name, 554; Venue, 5

Fixed effects:

Estimate Std. Error t value

(Intercept) -1.40098 1.09032 -1.285

PartyAffiliation 0.42007 0.17463 2.405

War -0.62575 0.14511 -4.312

PartyAffiliation:War -0.03688 0.18869 -0.195

Correlation of Fixed Effects:

(Intr) PrtyAf War

PartyAffltn -0.080

War -0.060 0.408

PrtyAfflt:W 0.047 -0.558 -0.731

> out1<-summary(catThink)

> coef1<-coef(out1)

> tvalue<-coef1[,"t value"]

> pnorm(abs(tvalue1), lower.tail=FALSE)\*2

(Intercept) PartyAffiliation War PartyAffiliation:War

0.19882112221 0.01615270148 0.00001616006 0.84505537813

> confint(catThink, method="boot")

Computing bootstrap confidence intervals ...

Error in setNames(Cv\_to\_Sv(th, s = sigma(x)), c(tnames(x, old = FALSE, :

'names' attribute [3] must be the same length as the vector [2]

In addition: Warning message:

In m0[lower.tri(m0, diag = TRUE)] <- x :

number of items to replace is not a multiple of replacement length

> confint(catThink, method="profile")

Computing profile confidence intervals ...

2.5 % 97.5 %

.sig01 1.07611735 1.3584810

.sig02 1.39513507 5.3212660

.sigma 1.74179105 1.8616718

(Intercept) -4.05508000 1.2030339

PartyAffiliation 0.07764719 0.7640251

War -0.91030109 -0.3411861

PartyAffiliation:War -0.40717182 0.3333437

> complexThink<-lmer(ComplexThink~PartyAffiliation\*War+(1|Name)+(1|Venue), data=data, REML=FALSE, na.action=na.omit)

> summary(complexThink)

Linear mixed model fit by maximum likelihood ['lmerMod']

Formula: ComplexThink ~ PartyAffiliation \* War + (1 | Name) + (1 | Venue)

Data: data

AIC BIC logLik deviance

10470.856 10510.912 -5228.428 10456.856

Random effects:

Groups Name Variance Std.Dev.

Name (Intercept) 0.6045 0.7775

Venue (Intercept) 85.7358 9.2594

Residual 5.4646 2.3377

Number of obs: 2258, groups: Name, 554; Venue, 5

Fixed effects:

Estimate Std. Error t value

(Intercept) 3.96683 4.14384 0.957

PartyAffiliation -0.08353 0.17031 -0.490

War 0.73351 0.17077 4.295

PartyAffiliation:War 0.46347 0.22275 2.081

Correlation of Fixed Effects:

(Intr) PrtyAf War

PartyAffltn -0.021

War -0.017 0.440

PrtyAfflt:W 0.013 -0.610 -0.714

> out1<-summary(complexThink)

> coef1<-coef(out1)

> tvalue<-coef1[,"t value"]

> pnorm(abs(tvalue1), lower.tail=FALSE)\*2

(Intercept) PartyAffiliation War PartyAffiliation:War

0.33842329814 0.62379446237 0.00001744387 0.03746393106

> confint(complexThink, method="profile")

Computing profile confidence intervals ...

2.5 % 97.5 %

.sig01 0.62151344 0.9433100

.sig02 5.52410597 20.1951157

.sigma 2.26486295 2.4139245

(Intercept) -5.99313027 13.9380641

PartyAffiliation -0.41839021 0.2507232

War 0.39858894 1.0687151

PartyAffiliation:War 0.02653543 0.9002320

> psychDistance<-lmer(PsychDistance~PartyAffiliation\*War+(1|Name)+(1|Venue), data=data, REML=FALSE, na.action=na.omit)

> summary(PsychDistance)

Error in summary(PsychDistance) :

error in evaluating the argument 'object' in selecting a method for function 'summary': Error: object 'PsychDistance' not found

> summary(psychDistance)

Linear mixed model fit by maximum likelihood ['lmerMod']

Formula: PsychDistance ~ PartyAffiliation \* War + (1 | Name) + (1 | Venue)

Data: data

AIC BIC logLik deviance

10651.62 10691.68 -5318.81 10637.62

Random effects:

Groups Name Variance Std.Dev.

Name (Intercept) 2.287 1.512

Venue (Intercept) 3.751 1.937

Residual 5.283 2.298

Number of obs: 2258, groups: Name, 554; Venue, 5

Fixed effects:

Estimate Std. Error t value

(Intercept) -0.8264 0.8911 -0.927

PartyAffiliation 0.3382 0.2204 1.534

War -0.6223 0.1846 -3.371

PartyAffiliation:War -0.1351 0.2401 -0.563

Correlation of Fixed Effects:

(Intr) PrtyAf War

PartyAffltn -0.124

War -0.093 0.410

PrtyAfflt:W 0.074 -0.561 -0.730

> out1<-summary(psychDistance)

> coef1<-coef(out1)

> tvalue<-coef1[,"t value"]

> pnorm(abs(tvalue1), lower.tail=FALSE)\*2

> pnorm(abs(tvalue1), lower.tail=FALSE)\*2

(Intercept) PartyAffiliation War PartyAffiliation:War

0.3537182163 0.1249426633 0.0007478649 0.5736981391

> confint(PsychDistance, method="profile")

Error in confint(PsychDistance, method = "profile") :

object 'PsychDistance' not found

> confint(psychDistance, method="profile")

Computing profile confidence intervals ...

2.5 % 97.5 %

.sig01 1.33923209 1.6961833

.sig02 1.14994924 4.2334527

.sigma 2.22403533 2.3768388

(Intercept) -2.94768608 1.2838966

PartyAffiliation -0.09412617 0.7733420

War -0.98439843 -0.2601002

PartyAffiliation:War -0.60654021 0.3362438

> honesty<-lmer(Honesty~PartyAffiliation\*War+(1|Name)+(1|Venue), data=data, REML=FALSE, na.action=na.omit)

> summary(honesty)

Linear mixed model fit by maximum likelihood ['lmerMod']

Formula: Honesty ~ PartyAffiliation \* War + (1 | Name) + (1 | Venue)

Data: data

AIC BIC logLik deviance

11358.670 11398.726 -5672.335 11344.670

Random effects:

Groups Name Variance Std.Dev.

Name (Intercept) 0.8055 0.8975

Venue (Intercept) 123.9827 11.1348

Residual 8.1492 2.8547

Number of obs: 2258, groups: Name, 554; Venue, 5

Fixed effects:

Estimate Std. Error t value

(Intercept) 4.1162 4.9831 0.826

PartyAffiliation 0.4445 0.2042 2.176

War 0.2120 0.2072 1.023

PartyAffiliation:War -0.1391 0.2703 -0.515

Correlation of Fixed Effects:

(Intr) PrtyAf War

PartyAffltn -0.021

War -0.017 0.441

PrtyAfflt:W 0.013 -0.612 -0.712

> out1<-summary(honesty)

> coef1<-coef(out1)

> tvalue<-coef1[,"t value"]

> pnorm(abs(tvalue1), lower.tail=FALSE)\*2

> pnorm(abs(tvalue1), lower.tail=FALSE)\*2

(Intercept) PartyAffiliation War PartyAffiliation:War

0.40878688 0.02953605 0.30629525 0.60668794

> confint(honesty, method="profile")

Computing profile confidence intervals ...

2.5 % 97.5 %

.sig01 0.69135028 1.1097436

.sig02 6.64350663 24.2845538

.sigma 2.76518858 2.9485000

(Intercept) -7.86101449 16.1063389

PartyAffiliation 0.04225153 0.8451373

War -0.19599078 0.6191363

PartyAffiliation:War -0.66925583 0.3915059