> interaction<-(data$PartyAffiliation\*data$War)

>

> nullnested2<-lmer(CogProcess~(1|Name)+(1|Venue), data=data, REML=FALSE, na.action=na.omit)

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

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

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

> cogProcessI<-lmer(CogProcess~interaction+(1|Name)+(1|Venue), data=data, REML=FALSE, na.action=na.omit)

> summary(nullnested2)

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

Formula: CogProcess ~ (1 | Name) + (1 | Venue)

Data: data

AIC BIC logLik deviance

8148.250 8171.139 -4070.125 8140.250

Random effects:

Groups Name Variance Std.Dev.

Name (Intercept) 0.29257 0.5409

Venue (Intercept) 0.08489 0.2914

Residual 1.94441 1.3944

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

Fixed effects:

Estimate Std. Error df t value Pr(>|t|)

(Intercept) 0.1253 0.1456 4.3000 0.861 0.435

> summary(cogProcess)

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

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

Data: data

AIC BIC logLik deviance

8017.142 8057.198 -4001.571 8003.142

Random effects:

Groups Name Variance Std.Dev.

Name (Intercept) 0.2423 0.4923

Venue (Intercept) 0.1598 0.3997

Residual 1.8445 1.3581

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

Fixed effects:

Estimate Std. Error df t value Pr(>|t|)

(Intercept) -0.17862 0.19920 5.80000 -0.897 0.4054

PartyAffiliation -0.02104 0.10186 388.50000 -0.207 0.8365

War 0.62664 0.10008 1879.70000 6.261 0.000000000473 \*\*\*

PartyAffiliation:War 0.33003 0.13073 1893.00000 2.525 0.0117 \*

---

Signif. codes: 0 ‘\*\*\*’ 0.001 ‘\*\*’ 0.01 ‘\*’ 0.05 ‘.’ 0.1 ‘ ’ 1

Correlation of Fixed Effects:

(Intr) PrtyAf War

PartyAffltn -0.261

War -0.209 0.438

PrtyAfflt:W 0.164 -0.606 -0.716

> summary(cogProcessPA)

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

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

Data: data

AIC BIC logLik deviance

8148.014 8176.625 -4069.007 8138.014

Random effects:

Groups Name Variance Std.Dev.

Name (Intercept) 0.29078 0.5392

Venue (Intercept) 0.08861 0.2977

Residual 1.94308 1.3939

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

Fixed effects:

Estimate Std. Error df t value Pr(>|t|)

(Intercept) 0.06112 0.15413 5.00000 0.397 0.708

PartyAffiliation 0.12770 0.08531 318.10000 1.497 0.135

Correlation of Fixed Effects:

(Intr)

PartyAffltn -0.273

> summary(cogProcessW)

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

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

Data: data

AIC BIC logLik deviance

8022.248 8050.859 -4006.124 8012.248

Random effects:

Groups Name Variance Std.Dev.

Name (Intercept) 0.2506 0.5006

Venue (Intercept) 0.1563 0.3954

Residual 1.8481 1.3595

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

Fixed effects:

Estimate Std. Error df t value Pr(>|t|)

(Intercept) -0.19253 0.19067 5.10000 -1.01 0.358

War 0.80640 0.07003 2164.00000 11.52 <0.0000000000000002 \*\*\*

---

Signif. codes: 0 ‘\*\*\*’ 0.001 ‘\*\*’ 0.01 ‘\*’ 0.05 ‘.’ 0.1 ‘ ’ 1

Correlation of Fixed Effects:

(Intr)

War -0.136

> summary(cogProcessI)

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

Formula: CogProcess ~ interaction + (1 | Name) + (1 | Venue)

Data: data

AIC BIC logLik deviance

8062.259 8090.871 -4026.130 8052.259

Random effects:

Groups Name Variance Std.Dev.

Name (Intercept) 0.2733 0.5227

Venue (Intercept) 0.1293 0.3596

Residual 1.8725 1.3684

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

Fixed effects:

Estimate Std. Error df t value Pr(>|t|)

(Intercept) -0.03341 0.17477 4.60000 -0.191 0.857

interaction 0.77679 0.08185 1953.70000 9.490 <0.0000000000000002 \*\*\*

---

Signif. codes: 0 ‘\*\*\*’ 0.001 ‘\*\*’ 0.01 ‘\*’ 0.05 ‘.’ 0.1 ‘ ’ 1

Correlation of Fixed Effects:

(Intr)

interaction -0.089

> confint(cogProcess,method="profile")

Computing profile confidence intervals ...

2.5 % 97.5 %

.sig01 0.38862663 0.5996653

.sig02 0.21746206 0.9187534

.sigma 1.31464597 1.4036865

(Intercept) -0.66415464 0.2754242

PartyAffiliation -0.22114530 0.1791989

War 0.43011935 0.8231255

PartyAffiliation:War 0.07358995 0.5863688

>

> nullnested2<-lmer(CatThink~(1|Name)+(1|Venue), data=data, REML=FALSE, na.action=na.omit)

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

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

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

> catThinkI<-lmer(CatThink~interaction+(1|Name)+(1|Venue), data=data, REML=FALSE, na.action=na.omit)

> summary(nullnested2)

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

Formula: CatThink ~ (1 | Name) + (1 | Venue)

Data: data

AIC BIC logLik deviance

9889.067 9911.955 -4940.533 9881.067

Random effects:

Groups Name Variance Std.Dev.

Name (Intercept) 1.611 1.269

Venue (Intercept) 3.565 1.888

Residual 3.784 1.945

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

Fixed effects:

Estimate Std. Error df t value Pr(>|t|)

(Intercept) 0.0596 0.8567 4.7200 0.07 0.947

> summary(catThink)

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

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

Data: data

AIC BIC logLik deviance

9845.048 9885.104 -4915.524 9831.048

Random effects:

Groups Name Variance Std.Dev.

Name (Intercept) 1.593 1.262

Venue (Intercept) 3.760 1.939

Residual 3.695 1.922

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

Fixed effects:

Estimate Std. Error df t value Pr(>|t|)

(Intercept) 0.13037 0.88496 4.90000 0.147 0.8888

PartyAffiliation 0.43083 0.18418 634.60000 2.339 0.0196 \*

War -0.67296 0.15433 2205.40000 -4.361 0.0000136 \*\*\*

PartyAffiliation:War -0.03613 0.20074 2227.80000 -0.180 0.8572

---

Signif. codes: 0 ‘\*\*\*’ 0.001 ‘\*\*’ 0.01 ‘\*’ 0.05 ‘.’ 0.1 ‘ ’ 1

Correlation of Fixed Effects:

(Intr) PrtyAf War

PartyAffltn -0.105

War -0.078 0.410

PrtyAfflt:W 0.062 -0.561 -0.730

> summary(catThinkPA)

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

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

Data: data

AIC BIC logLik deviance

9883.830 9912.441 -4936.915 9873.830

Random effects:

Groups Name Variance Std.Dev.

Name (Intercept) 1.581 1.257

Venue (Intercept) 3.520 1.876

Residual 3.780 1.944

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

Fixed effects:

Estimate Std. Error df t value Pr(>|t|)

(Intercept) -0.1413 0.8546 4.8000 -0.165 0.87545

PartyAffiliation 0.4121 0.1529 447.4000 2.696 0.00729 \*\*

---

Signif. codes: 0 ‘\*\*\*’ 0.001 ‘\*\*’ 0.01 ‘\*’ 0.05 ‘.’ 0.1 ‘ ’ 1

Correlation of Fixed Effects:

(Intr)

PartyAffltn -0.088

> summary(catThinkW)

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

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

Data: data

AIC BIC logLik deviance

9848.363 9876.975 -4919.182 9838.363

Random effects:

Groups Name Variance Std.Dev.

Name (Intercept) 1.621 1.273

Venue (Intercept) 3.805 1.951

Residual 3.700 1.923

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

Fixed effects:

Estimate Std. Error df t value Pr(>|t|)

(Intercept) 0.3417 0.8853 4.8000 0.386 0.716

War -0.6939 0.1056 2250.3000 -6.571 0.0000000000621 \*\*\*

---

Signif. codes: 0 ‘\*\*\*’ 0.001 ‘\*\*’ 0.01 ‘\*’ 0.05 ‘.’ 0.1 ‘ ’ 1

Correlation of Fixed Effects:

(Intr)

War -0.048

> summary(catThinkI)

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

Formula: CatThink ~ interaction + (1 | Name) + (1 | Venue)

Data: data

AIC BIC logLik deviance

9880.117 9908.728 -4935.058 9870.117

Random effects:

Groups Name Variance Std.Dev.

Name (Intercept) 1.676 1.294

Venue (Intercept) 3.672 1.916

Residual 3.742 1.935

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

Fixed effects:

Estimate Std. Error df t value Pr(>|t|)

(Intercept) 0.1435 0.8697 4.7000 0.165 0.875780

interaction -0.4191 0.1257 2189.4000 -3.335 0.000867 \*\*\*

---

Signif. codes: 0 ‘\*\*\*’ 0.001 ‘\*\*’ 0.01 ‘\*’ 0.05 ‘.’ 0.1 ‘ ’ 1

Correlation of Fixed Effects:

(Intr)

interaction -0.030

> confint(catThink, method="profile")

Computing profile confidence intervals ...

2.5 % 97.5 %

.sig01 1.11707583 1.4168028

.sig02 1.10839555 4.3106350

.sigma 1.85994135 1.9878482

(Intercept) -1.97290499 2.2945434

PartyAffiliation 0.06967965 0.7936237

War -0.97557327 -0.3703191

PartyAffiliation:War -0.43003862 0.3576880

>

> nullnested2<-lmer(ComplexThink~(1|Name)+(1|Venue), data=data, REML=FALSE, na.action=na.omit)

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

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

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

> complexThinkI<-lmer(ComplexThink~interaction+(1|Name)+(1|Venue), data=data, REML=FALSE, na.action=na.omit)

> summary(nullnested2)

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

Formula: ComplexThink ~ (1 | Name) + (1 | Venue)

Data: data

AIC BIC logLik deviance

11262.366 11285.255 -5627.183 11254.366

Random effects:

Groups Name Variance Std.Dev.

Name (Intercept) 1.4691 1.2121

Venue (Intercept) 0.7959 0.8921

Residual 7.5598 2.7495

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

Fixed effects:

Estimate Std. Error df t value Pr(>|t|)

(Intercept) 0.2361 0.4257 4.7140 0.554 0.605

> summary(complexThink)

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

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

Data: data

AIC BIC logLik deviance

11199.422 11239.478 -5592.711 11185.422

Random effects:

Groups Name Variance Std.Dev.

Name (Intercept) 1.359 1.166

Venue (Intercept) 1.051 1.025

Residual 7.358 2.713

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

Fixed effects:

Estimate Std. Error df t value Pr(>|t|)

(Intercept) -0.17486 0.49731 5.60000 -0.352 0.738065

PartyAffiliation -0.04047 0.21655 455.60000 -0.187 0.851842

War 0.75598 0.20448 1992.80000 3.697 0.000224 \*\*\*

PartyAffiliation:War 0.65381 0.26685 2016.80000 2.450 0.014366 \*

---

Signif. codes: 0 ‘\*\*\*’ 0.001 ‘\*\*’ 0.01 ‘\*’ 0.05 ‘.’ 0.1 ‘ ’ 1

Correlation of Fixed Effects:

(Intr) PrtyAf War

PartyAffltn -0.221

War -0.175 0.433

PrtyAfflt:W 0.137 -0.597 -0.720

> summary(complexThinkPA)

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

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

Data: data

AIC BIC logLik deviance

11262.081 11290.692 -5626.041 11252.081

Random effects:

Groups Name Variance Std.Dev.

Name (Intercept) 1.4606 1.2086

Venue (Intercept) 0.8182 0.9045

Residual 7.5549 2.7486

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

Fixed effects:

Estimate Std. Error df t value Pr(>|t|)

(Intercept) 0.1014 0.4398 5.1000 0.231 0.827

PartyAffiliation 0.2689 0.1777 353.5000 1.513 0.131

Correlation of Fixed Effects:

(Intr)

PartyAffltn -0.200

> summary(complexThinkW)

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

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

Data: data

AIC BIC logLik deviance

11203.885 11232.496 -5596.943 11193.885

Random effects:

Groups Name Variance Std.Dev.

Name (Intercept) 1.424 1.193

Venue (Intercept) 1.031 1.015

Residual 7.358 2.713

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

Fixed effects:

Estimate Std. Error df t value Pr(>|t|)

(Intercept) -0.2024 0.4812 5.1000 -0.421 0.691

War 1.1155 0.1423 2221.7000 7.839 0.00000000000000711 \*\*\*

---

Signif. codes: 0 ‘\*\*\*’ 0.001 ‘\*\*’ 0.01 ‘\*’ 0.05 ‘.’ 0.1 ‘ ’ 1

Correlation of Fixed Effects:

(Intr)

War -0.112

> summary(complexThinkI)

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

Formula: ComplexThink ~ interaction + (1 | Name) + (1 | Venue)

Data: data

AIC BIC logLik deviance

11212.943 11241.554 -5601.471 11202.943

Random effects:

Groups Name Variance Std.Dev.

Name (Intercept) 1.371 1.1711

Venue (Intercept) 0.975 0.9874

Residual 7.416 2.7232

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

Fixed effects:

Estimate Std. Error df t value Pr(>|t|)

(Intercept) -0.009107 0.466852 4.800000 -0.020 0.985

interaction 1.195309 0.165474 2014.600000 7.224 0.000000000000715 \*\*\*

---

Signif. codes: 0 ‘\*\*\*’ 0.001 ‘\*\*’ 0.01 ‘\*’ 0.05 ‘.’ 0.1 ‘ ’ 1

Correlation of Fixed Effects:

(Intr)

interaction -0.068

> confint(complexThink, method="profile")

Computing profile confidence intervals ...

2.5 % 97.5 %

.sig01 0.9640418 1.3792570

.sig02 0.5686646 2.3294335

.sigma 2.6253055 2.8041583

(Intercept) -1.3882416 0.9707796

PartyAffiliation -0.4652119 0.3862784

War 0.3545375 1.1578367

PartyAffiliation:War 0.1289889 1.1778922

>

> nullnested2<-lmer(PsychDistance~(1|Name)+(1|Venue), data=data, REML=FALSE, na.action=na.omit)

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

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

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

> psychDistanceI<-lmer(PsychDistance~interaction+(1|Name)+(1|Venue), data=data, REML=FALSE, na.action=na.omit)

> summary(nullnested2)

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

Formula: PsychDistance ~ (1 | Name) + (1 | Venue)

Data: data

AIC BIC logLik deviance

10665.508 10688.397 -5328.754 10657.508

Random effects:

Groups Name Variance Std.Dev.

Name (Intercept) 2.285 1.512

Venue (Intercept) 7.597 2.756

Residual 5.328 2.308

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

Fixed effects:

Estimate Std. Error df t value Pr(>|t|)

(Intercept) -0.01903 1.24479 4.85600 -0.015 0.988

> summary(psychDistance)

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

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

Data: data

AIC BIC logLik deviance

10638.726 10678.782 -5312.363 10624.726

Random effects:

Groups Name Variance Std.Dev.

Name (Intercept) 2.288 1.513

Venue (Intercept) 7.934 2.817

Residual 5.238 2.289

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

Fixed effects:

Estimate Std. Error df t value Pr(>|t|)

(Intercept) 0.09601 1.27734 5.00000 0.075 0.943015

PartyAffiliation 0.33485 0.21998 642.20000 1.522 0.128462

War -0.62755 0.18395 2208.00000 -3.412 0.000658 \*\*\*

PartyAffiliation:War -0.11885 0.23924 2229.90000 -0.497 0.619404

---

Signif. codes: 0 ‘\*\*\*’ 0.001 ‘\*\*’ 0.01 ‘\*’ 0.05 ‘.’ 0.1 ‘ ’ 1

Correlation of Fixed Effects:

(Intr) PrtyAf War

PartyAffltn -0.087

War -0.064 0.410

PrtyAfflt:W 0.051 -0.560 -0.730

> summary(psychDistancePA)

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

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

Data: data

AIC BIC logLik deviance

10665.271 10693.882 -5327.635 10655.271

Random effects:

Groups Name Variance Std.Dev.

Name (Intercept) 2.282 1.511

Venue (Intercept) 7.552 2.748

Residual 5.322 2.307

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

Fixed effects:

Estimate Std. Error df t value Pr(>|t|)

(Intercept) -0.1532 1.2444 4.9000 -0.123 0.907

PartyAffiliation 0.2734 0.1827 453.6000 1.496 0.135

Correlation of Fixed Effects:

(Intr)

PartyAffltn -0.072

> summary(psychDistanceW)

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

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

Data: data

AIC BIC logLik deviance

10637.226 10665.837 -5313.613 10627.226

Random effects:

Groups Name Variance Std.Dev.

Name (Intercept) 2.283 1.511

Venue (Intercept) 7.976 2.824

Residual 5.247 2.291

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

Fixed effects:

Estimate Std. Error df t value Pr(>|t|)

(Intercept) 0.2629 1.2758 4.9000 0.206 0.845

War -0.6944 0.1257 2250.2000 -5.523 0.0000000371 \*\*\*

---

Signif. codes: 0 ‘\*\*\*’ 0.001 ‘\*\*’ 0.01 ‘\*’ 0.05 ‘.’ 0.1 ‘ ’ 1

Correlation of Fixed Effects:

(Intr)

War -0.040

> summary(psychDistanceI)

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

Formula: PsychDistance ~ interaction + (1 | Name) + (1 | Venue)

Data: data

AIC BIC logLik deviance

10656.484 10685.095 -5323.242 10646.484

Random effects:

Groups Name Variance Std.Dev.

Name (Intercept) 2.344 1.531

Venue (Intercept) 7.800 2.793

Residual 5.279 2.298

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

Fixed effects:

Estimate Std. Error df t value Pr(>|t|)

(Intercept) 0.08227 1.26149 4.90000 0.065 0.950593

interaction -0.49746 0.14915 2189.40000 -3.335 0.000866 \*\*\*

---

Signif. codes: 0 ‘\*\*\*’ 0.001 ‘\*\*’ 0.01 ‘\*’ 0.05 ‘.’ 0.1 ‘ ’ 1

Correlation of Fixed Effects:

(Intr)

interaction -0.024

> confint(psychDistance, method="profile")

Computing profile confidence intervals ...

2.5 % 97.5 %

.sig01 1.34032771 1.6957517

.sig02 1.63854035 6.2132713

.sigma 2.21469316 2.3668352

(Intercept) -2.94948508 3.1983700

PartyAffiliation -0.09661784 0.7690576

War -0.98832663 -0.2666852

PartyAffiliation:War -0.58861619 0.3507991

> null<-gls(CogProcess~1, data=data, method="ML", na.action=na.omit)

> nullnested<-lmer(CogProcess~(1|Name), data=data, REML=FALSE, na.action=na.omit)

> summary(null)

Generalized least squares fit by maximum likelihood

Model: CogProcess ~ 1

Data: data

AIC BIC logLik

8260.156 8271.601 -4128.078

Coefficients:

Value Std.Error t-value p-value

(Intercept) 0.000000000000004198521 0.03169383 0.0000000000001324713 1

Standardized residuals:

Min Q1 Med Q3 Max

-2.73826286 -0.63407340 -0.04487502 0.58622630 5.48813412

Residual standard error: 1.505707

Degrees of freedom: 2258 total; 2257 residual

> summary(nullnested)

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

Formula: CogProcess ~ (1 | Name)

Data: data

AIC BIC logLik deviance

8175.133 8192.300 -4084.567 8169.133

Random effects:

Groups Name Variance Std.Dev.

Name (Intercept) 0.3252 0.5703

Residual 1.9653 1.4019

Number of obs: 2258, groups: Name, 554

Fixed effects:

Estimate Std. Error df t value Pr(>|t|)

(Intercept) 0.05679 0.04362 344.70000 1.302 0.194

> null<-gls(CatThink~1, data=data, method="ML", na.action=na.omit)

> nullnested<-lmer(CatThink~1+(1|Name), data=data, REML=FALSE, na.action=na.omit)

> summary(null)

Generalized least squares fit by maximum likelihood

Model: CatThink ~ 1

Data: data

AIC BIC logLik

10700.17 10711.62 -5348.086

Coefficients:

Value Std.Error t-value p-value

(Intercept) -0.00000000000002312107 0.0544034 -0.0000000000004249931 1

Standardized residuals:

Min Q1 Med Q3 Max

-5.9884218 -0.6435414 0.0314630 0.6782397 4.0703012

Residual standard error: 2.584591

Degrees of freedom: 2258 total; 2257 residual

> summary(nullnested)

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

Formula: CatThink ~ 1 + (1 | Name)

Data: data

AIC BIC logLik deviance

10302.698 10319.864 -5148.349 10296.698

Random effects:

Groups Name Variance Std.Dev.

Name (Intercept) 2.126 1.458

Residual 4.543 2.131

Number of obs: 2258, groups: Name, 554

Fixed effects:

Estimate Std. Error df t value Pr(>|t|)

(Intercept) -0.007093 0.086270 495.100000 -0.082 0.935

> null<-gls(ComplexThink~1, data=data, method="ML", na.action=na.omit)

> nullnested<-lmer(ComplexThink~1+(1|Name), data=data, REML=FALSE,

+ nullnested<-lmer(ComplexThink~1+(1|Name), data=data, REML=FALSE,

+ na.action=na.omit)

+ summary(null)

Error: unexpected symbol in:

" na.action=na.omit)

summary"

> nullnested<-lmer(ComplexThink~1+(1|Name), data=data, REML=FALSE,

+ na.action=na.omit)

> summary(null)

Generalized least squares fit by maximum likelihood

Model: ComplexThink ~ 1

Data: data

AIC BIC logLik

11477.36 11488.81 -5736.681

Coefficients:

Value Std.Error t-value p-value

(Intercept) 0.00000000000000310041 0.06461998 0.00000000000004797913 1

Standardized residuals:

Min Q1 Med Q3 Max

-4.742473597 -0.644673437 -0.004140811 0.628568431 5.415709854

Residual standard error: 3.069959

Degrees of freedom: 2258 total; 2257 residual

> summary(nullnested)

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

Formula: ComplexThink ~ 1 + (1 | Name)

Data: data

AIC BIC logLik deviance

11340.711 11357.878 -5667.356 11334.711

Random effects:

Groups Name Variance Std.Dev.

Name (Intercept) 1.677 1.295

Residual 7.818 2.796

Number of obs: 2258, groups: Name, 554

Fixed effects:

Estimate Std. Error df t value Pr(>|t|)

(Intercept) -0.01476 0.09217 375.30000 -0.16 0.873

> null<-gls(PsychDistance~1, data=data, method="ML", na.action=na.omit)

> nullnested<-lmer(PsychDistance~1+(1|Name), data=data, REML=FALSE,

+ na.action=na.omit)

> summary(null)

Generalized least squares fit by maximum likelihood

Model: PsychDistance ~ 1

Data: data

AIC BIC logLik

11794.48 11805.93 -5895.241

Coefficients:

Value Std.Error t-value p-value

(Intercept) -0.0000000000000104671 0.0693208 -0.0000000000001509951 1

Standardized residuals:

Min Q1 Med Q3 Max

-11.64702842 -0.63281045 0.08729232 0.68499432 3.22365921

Residual standard error: 3.293285

Degrees of freedom: 2258 total; 2257 residual

> summary(nullnested)

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

Formula: PsychDistance ~ 1 + (1 | Name)

Data: data

AIC BIC logLik deviance

11388.627 11405.794 -5691.313 11382.627

Random effects:

Groups Name Variance Std.Dev.

Name (Intercept) 3.564 1.888

Residual 7.310 2.704

Number of obs: 2258, groups: Name, 554

Fixed effects:

Estimate Std. Error df t value Pr(>|t|)

(Intercept) 0.07466 0.11077 510.10000 0.674 0.501

Post hoc tests

> Republican<-subset(data, PartyAffiliation==0)

> Democrat<-subset(data, PartyAffiliation==1)

> NoWar<-subset(data, War==0)

> War<-subset(data, War==1)

> phCogProcessR<-lmer(CogProcess~War+(1|Name)+(1|Venue), data=Republican, REML=FALSE, na.action=na.omit)

> summary(phCogProcessR)

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

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

Data: Republican

AIC BIC logLik deviance

3831.931 3856.836 -1910.966 3821.931

Random effects:

Groups Name Variance Std.Dev.

Name (Intercept) 0.3069 0.5540

Venue (Intercept) 0.1104 0.3323

Residual 1.8171 1.3480

Number of obs: 1076, groups: Name, 289; Venue, 5

Fixed effects:

Estimate Std. Error df t value Pr(>|t|)

(Intercept) -0.1079 0.1779 5.7000 -0.606 0.568

War 0.5882 0.1046 965.4000 5.626 0.0000000242 \*\*\*

---

Signif. codes: 0 ‘\*\*\*’ 0.001 ‘\*\*’ 0.01 ‘\*’ 0.05 ‘.’ 0.1 ‘ ’ 1

Correlation of Fixed Effects:

(Intr)

War -0.222

> confint(phCogProcessR)

Computing profile confidence intervals ...

2.5 % 97.5 %

.sig01 0.4081439 0.7088145

.sig02 0.1658176 0.7947256

.sigma 1.2853769 1.4150947

(Intercept) -0.5287101 0.3123195

War 0.3815152 0.7950054

> phCogProcessD<-lmer(CogProcess~War+(1|Name)+(1|Venue), data=Democrat, REML=FALSE, na.action=na.omit)

> summary(phCogProcessD)

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

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

Data: Democrat

AIC BIC logLik deviance

4199.568 4224.943 -2094.784 4189.568

Random effects:

Groups Name Variance Std.Dev.

Name (Intercept) 0.1891 0.4349

Venue (Intercept) 0.1997 0.4468

Residual 1.8681 1.3668

Number of obs: 1182, groups: Name, 265; Venue, 5

Fixed effects:

Estimate Std. Error df t value Pr(>|t|)

(Intercept) -0.2298 0.2189 5.0000 -1.05 0.342

War 0.9781 0.0937 1152.7000 10.44 <0.0000000000000002 \*\*\*

---

Signif. codes: 0 ‘\*\*\*’ 0.001 ‘\*\*’ 0.01 ‘\*’ 0.05 ‘.’ 0.1 ‘ ’ 1

Correlation of Fixed Effects:

(Intr)

War -0.157

> confint(phCogProcessD)

Computing profile confidence intervals ...

2.5 % 97.5 %

.sig01 0.2854363 0.5878956

.sig02 0.2323117 1.0461724

.sigma 1.3074816 1.4301090

(Intercept) -0.7755665 0.2781833

War 0.7931569 1.1627790

> phCogProcessNW<-lmer(CogProcess~PartyAffiliation+(1|Name)+(1|Venue), data=NoWar, REML=FALSE, na.action=na.omit)

> summary(phCogProcessNW)

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

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

Data: NoWar

AIC BIC logLik deviance

4759.055 4785.149 -2374.527 4749.055

Random effects:

Groups Name Variance Std.Dev.

Name (Intercept) 0.3411 0.5841

Venue (Intercept) 0.2277 0.4772

Residual 1.6677 1.2914

Number of obs: 1365, groups: Name, 320; Venue, 5

Fixed effects:

Estimate Std. Error df t value Pr(>|t|)

(Intercept) -0.21759 0.23456 5.62000 -0.928 0.392

PartyAffiliation -0.03714 0.11053 150.43000 -0.336 0.737

Correlation of Fixed Effects:

(Intr)

PartyAffltn -0.236

> confint(phCogProcessNW)

Computing profile confidence intervals ...

2.5 % 97.5 %

.sig01 0.4407511 0.7370768

.sig02 0.2613170 1.0925212

.sigma 1.2366350 1.3496449

(Intercept) -0.7914316 0.3198339

PartyAffiliation -0.2561871 0.1802403

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

> summary(phCogProcessW)

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

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

Data: War

AIC BIC logLik deviance

3253.253 3277.226 -1621.627 3243.253

Random effects:

Groups Name Variance Std.Dev.

Name (Intercept) 0.28525 0.5341

Venue (Intercept) 0.01606 0.1267

Residual 1.95780 1.3992

Number of obs: 893, groups: Name, 422; Venue, 5

Fixed effects:

Estimate Std. Error df t value Pr(>|t|)

(Intercept) 0.2714 0.1138 4.4500 2.384 0.0691 .

PartyAffiliation 0.3079 0.1133 278.1900 2.717 0.0070 \*\*

---

Signif. codes: 0 ‘\*\*\*’ 0.001 ‘\*\*’ 0.01 ‘\*’ 0.05 ‘.’ 0.1 ‘ ’ 1

Correlation of Fixed Effects:

(Intr)

PartyAffltn -0.506

> confint(phCogProcessW)

Computing profile confidence intervals ...

2.5 % 97.5 %

.sig01 0.31313793 0.7185140

.sig02 NA 0.4659017

.sigma 1.31636176 1.4885785

(Intercept) 0.03249227 0.5916111

PartyAffiliation 0.08387449 0.5315246

> phComplexThinkR<-lmer(ComplexThink~War+(1|Name)+(1|Venue), data=Republican, REML=FALSE, na.action=na.omit)

> summary(phComplexThinkR)

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

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

Data: Republican

AIC BIC logLik deviance

5372.799 5397.704 -2681.400 5362.799

Random effects:

Groups Name Variance Std.Dev.

Name (Intercept) 1.6737 1.2937

Venue (Intercept) 0.7915 0.8897

Residual 7.4070 2.7216

Number of obs: 1076, groups: Name, 289; Venue, 5

Fixed effects:

Estimate Std. Error df t value Pr(>|t|)

(Intercept) -0.07063 0.45759 5.10000 -0.154 0.88325

War 0.68737 0.21558 1022.40000 3.188 0.00147 \*\*

---

Signif. codes: 0 ‘\*\*\*’ 0.001 ‘\*\*’ 0.01 ‘\*’ 0.05 ‘.’ 0.1 ‘ ’ 1

Correlation of Fixed Effects:

(Intr)

War -0.179

> confint(phComplexThinkR)

Computing profile confidence intervals ...

2.5 % 97.5 %

.sig01 1.0076919 1.603127

.sig02 0.4618280 2.140649

.sigma 2.5948289 2.857590

(Intercept) -1.2246852 0.980639

War 0.2618941 1.113536

> phComplexThinkD<-lmer(ComplexThink~War+(1|Name)+(1|Venue), data=Democrat, REML=FALSE, na.action=na.omit)

> summary(phComplexThinkD)

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

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

Data: Democrat

AIC BIC logLik deviance

5842.951 5868.326 -2916.476 5832.951

Random effects:

Groups Name Variance Std.Dev.

Name (Intercept) 1.092 1.045

Venue (Intercept) 1.139 1.067

Residual 7.318 2.705

Number of obs: 1182, groups: Name, 265; Venue, 5

Fixed effects:

Estimate Std. Error df t value Pr(>|t|)

(Intercept) -0.2135 0.5156 5.3000 -0.414 0.695

War 1.4613 0.1884 1173.6000 7.758 0.0000000000000187 \*\*\*

---

Signif. codes: 0 ‘\*\*\*’ 0.001 ‘\*\*’ 0.01 ‘\*’ 0.05 ‘.’ 0.1 ‘ ’ 1

Correlation of Fixed Effects:

(Intr)

War -0.138

> confint(phComplexThinkD)

Computing profile confidence intervals ...

2.5 % 97.5 %

.sig01 0.7627873 1.3482047

.sig02 0.5811496 2.4417769

.sigma 2.5869729 2.8315542

(Intercept) -1.4750196 0.9877275

War 1.0898511 1.8325470

> phComplexThinkNW<-lmer(ComplexThink~PartyAffiliation+(1|Name)+(1|Venue), data=NoWar, REML=FALSE, na.action=na.omit)

> summary(phComplexThinkNW)

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

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

Data: NoWar

AIC BIC logLik deviance

6742.621 6768.716 -3366.311 6732.621

Random effects:

Groups Name Variance Std.Dev.

Name (Intercept) 2.0606 1.4355

Venue (Intercept) 0.9872 0.9936

Residual 6.8912 2.6251

Number of obs: 1365, groups: Name, 320; Venue, 5

Fixed effects:

Estimate Std. Error df t value Pr(>|t|)

(Intercept) -0.06321 0.49433 6.02000 -0.128 0.902

PartyAffiliation -0.23292 0.24711 173.25000 -0.943 0.347

Correlation of Fixed Effects:

(Intr)

PartyAffltn -0.249

> confint(phComplexThinkNW)

Computing profile confidence intervals ...

2.5 % 97.5 %

.sig01 1.1454548 1.7477541

.sig02 0.5508154 2.2592916

.sigma 2.5135286 2.7442127

(Intercept) -1.2540286 1.0655351

PartyAffiliation -0.7223173 0.2527047

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

> summary(phComplexThinkW)

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

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

Data: War

AIC BIC logLik deviance

4469.254 4493.227 -2229.627 4459.254

Random effects:

Groups Name Variance Std.Dev.

Name (Intercept) 1.3491 1.1615

Venue (Intercept) 0.9951 0.9976

Residual 7.3928 2.7190

Number of obs: 893, groups: Name, 422; Venue, 5

Fixed effects:

Estimate Std. Error df t value Pr(>|t|)

(Intercept) 0.4350 0.5274 5.1000 0.825 0.446034

PartyAffiliation 0.8011 0.2280 316.7000 3.514 0.000505 \*\*\*

---

Signif. codes: 0 ‘\*\*\*’ 0.001 ‘\*\*’ 0.01 ‘\*’ 0.05 ‘.’ 0.1 ‘ ’ 1

Correlation of Fixed Effects:

(Intr)

PartyAffltn -0.221

> confint(phComplexThinkW)

Computing profile confidence intervals ...

2.5 % 97.5 %

.sig01 0.7971696 1.492155

.sig02 0.4768494 2.450767

.sigma 2.5611328 2.889352

(Intercept) -0.8643581 1.661969

PartyAffiliation 0.3535219 1.251054