**Syntax and Output for all 56 Models**

Model 1 (Main Experiment): A generalized linear mixed-effects regression model was computed in which verb type (harm/force (coded as 0) *versus* neutral filler (coded as 1)) and binding values were included as fixed predictors of the propensity to select subject (coded as 0) *versus* object (coded as 1) as the referent. Participant and verb were both included as random effects with random intercepts only.

Generalized linear mixed model fit by maximum likelihood (Laplace Approximation) [glmerMod

]

Family: binomial ( logit )

Formula: objectSubject\_LMER ~ (BINDING \* HF\_Neut\_Verbs\_LMER) + (1 | item\_LMER) +

(1 | WorkerID)

Data: DatasetNEW

Control: glmerControl(optimizer = "bobyqa")

AIC BIC logLik deviance df.resid

11577.8 11621.1 -5782.9 11565.8 10092

Scaled residuals:

Min 1Q Median 3Q Max

-6.2128 -0.6801 -0.2421 0.7189 5.6624

Random effects:

Groups Name Variance Std.Dev.

WorkerID (Intercept) 0.8325 0.9124

item\_LMER (Intercept) 0.8188 0.9049

Number of obs: 10098, groups: WorkerID, 459; item\_LMER, 22

Fixed effects:

Estimate Std. Error z value Pr(>|z|)

(Intercept) -1.96951 0.33319 -5.911 3.40e-09 \*\*\*

BINDING 0.37437 0.05331 7.022 2.19e-12 \*\*\*

HF\_Neut\_Verbs\_LMERneutral 2.17410 0.43000 5.056 4.28e-07 \*\*\*

BINDING:HF\_Neut\_Verbs\_LMERneutral -0.26979 0.04817 -5.600 2.14e-08 \*\*\*

---

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

Correlation of Fixed Effects:

(Intr) BINDING HF\_N\_V

BINDING -0.601

HF\_N\_V\_LMER -0.584 0.167

BINDING:HF\_ 0.238 -0.393 -0.420

> confint(model, parm="beta\_",method="Wald")

2.5 % 97.5 %

(Intercept) -2.6225573 -1.3164703

BINDING 0.2698757 0.4788666

HF\_Neut\_Verbs\_LMERneutral 1.3313114 3.0168794

BINDING:HF\_Neut\_Verbs\_LMERneutral -0.3642091 -0.1753720

Model 2 (Replication Dataset 1): A generalized linear mixed-effects regression model was computed in which verb type (harm/force (coded as 0) *versus* neutral filler (coded as 1)) and binding values were included as fixed predictors of the propensity to select subject (coded as 0) *versus* object (coded as 1) as the referent. Participant and verb were both included as random effects with random intercepts only.

Generalized linear mixed model fit by maximum likelihood (Laplace Approximation) [glmerMod

]

Family: binomial ( logit )

Formula: objectSubject\_LMER ~ (BINDING \* HF\_Neut\_Verbs\_LMER) + (1 | item\_LMER) +

(1 | WorkerID)

Data: DatasetNEW

Control: glmerControl(optimizer = "bobyqa")

AIC BIC logLik deviance df.resid

6366.6 6406.3 -3177.3 6354.6 5472

Scaled residuals:

Min 1Q Median 3Q Max

-7.3579 -0.6977 0.1281 0.7080 3.6098

Random effects:

Groups Name Variance Std.Dev.

WorkerID (Intercept) 0.8657 0.9305

item\_LMER (Intercept) 0.7562 0.8696

Number of obs: 5478, groups: WorkerID, 249; item\_LMER, 22

Fixed effects:

Estimate Std. Error z value Pr(>|z|)

(Intercept) -2.10992 0.41024 -5.143 2.70e-07 \*\*\*

BINDING 0.43341 0.08230 5.266 1.39e-07 \*\*\*

HF\_Neut\_Verbs\_LMERneutral 2.43420 0.47050 5.174 2.30e-07 \*\*\*

BINDING:HF\_Neut\_Verbs\_LMERneutral -0.34667 0.07287 -4.757 1.96e-06 \*\*\*

---

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

Correlation of Fixed Effects:

(Intr) BINDING HF\_N\_V

BINDING -0.771

HF\_N\_V\_LMER -0.524 0.241

BINDING:HF\_ 0.312 -0.401 -0.595

> confint(model, parm="beta\_",method="Wald")

2.5 % 97.5 %

(Intercept) -2.9139786 -1.3058706

BINDING 0.2721063 0.5947138

HF\_Neut\_Verbs\_LMERneutral 1.5120313 3.3563705

BINDING:HF\_Neut\_Verbs\_LMERneutral -0.4895048 -0.2038409

Model 3 (Replication Dataset 2): A generalized linear mixed-effects regression model was computed in which verb type (harm/force (coded as 0) *versus* neutral filler (coded as 1)) and binding values were included as fixed predictors of the propensity to select subject (coded as 0) *versus* object (coded as 1) as the referent. Participant and verb were both included as random effects with random intercepts only.

Generalized linear mixed model fit by maximum likelihood (Laplace Approximation) [glmerMod

]

Family: binomial ( logit )

Formula: objectSubject\_LMER ~ (BINDING \* HF\_Neut\_Verbs\_LMER) + (1 | item\_LMER) +

(1 | WorkerID)

Data: DatasetNEW

Control: glmerControl(optimizer = "bobyqa")

AIC BIC logLik deviance df.resid

19017.3 19063.9 -9502.6 19005.3 17330

Scaled residuals:

Min 1Q Median 3Q Max

-6.7409 -0.6301 -0.3381 0.6523 4.3150

Random effects:

Groups Name Variance Std.Dev.

WorkerID (Intercept) 0.7601 0.8719

item\_LMER (Intercept) 1.0665 1.0327

Number of obs: 17336, groups: WorkerID, 788; item\_LMER, 22

Fixed effects:

Estimate Std. Error z value Pr(>|z|)

(Intercept) -1.48146 0.34112 -4.343 1.41e-05 \*\*\*

BINDING 0.19214 0.04402 4.365 1.27e-05 \*\*\*

HF\_Neut\_Verbs\_LMERneutral 1.87289 0.46878 3.995 6.46e-05 \*\*\*

BINDING:HF\_Neut\_Verbs\_LMERneutral -0.10500 0.04148 -2.531 0.0114 \*

---

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

Correlation of Fixed Effects:

(Intr) BINDING HF\_N\_V

BINDING -0.473

HF\_N\_V\_LMER -0.622 0.132

BINDING:HF\_ 0.193 -0.406 -0.324

> confint(model, parm="beta\_",method="Wald")

2.5 % 97.5 %

(Intercept) -2.1500413 -0.81287306

BINDING 0.1058681 0.27841096

HF\_Neut\_Verbs\_LMERneutral 0.9540906 2.79168758

BINDING:HF\_Neut\_Verbs\_LMERneutral -0.1862987 -0.02369861

Model 4 (Main Experiment): For harm/force verbs only, a generalized linear mixed-effects regression model was computed for which binding values was included as the fixed predictor of the propensity to select subject (coded as 0) *versus* object (coded as 1) as the referent. Participant and verb were both included as random effects with random intercepts only.

Generalized linear mixed model fit by maximum likelihood (Laplace Approximation) [glmerMod

]

Family: binomial ( logit )

Formula: objectSubject\_LMER ~ (BINDING) + (1 | item\_LMER) + (1 | WorkerID)

Data: DatasetNEW

Control: glmerControl(optimizer = "bobyqa")

AIC BIC logLik deviance df.resid

6517.8 6544.3 -3254.9 6509.8 5504

Scaled residuals:

Min 1Q Median 3Q Max

-3.0877 -0.6630 -0.3802 0.7750 3.5004

Random effects:

Groups Name Variance Std.Dev.

WorkerID (Intercept) 1.2392 1.1132

item\_LMER (Intercept) 0.3172 0.5632

Number of obs: 5508, groups: WorkerID, 459; item\_LMER, 12

Fixed effects:

Estimate Std. Error z value Pr(>|z|)

(Intercept) -2.12214 0.29071 -7.300 2.88e-13 \*\*\*

BINDING 0.40269 0.06189 6.507 7.67e-11 \*\*\*

---

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

Correlation of Fixed Effects:

(Intr)

BINDING -0.801

> confint(model, parm="beta\_",method="Wald")

2.5 % 97.5 %

(Intercept) -2.691933 -1.5523537

BINDING 0.281398 0.5239855

Model 5 (Replication Dataset 1): For harm/force verbs only, a generalized linear mixed-effects regression model was computed for which binding values was included as the fixed predictor of the propensity to select subject (coded as 0) *versus* object (coded as 1) as the referent. Participant and verb were both included as random effects with random intercepts only.

Generalized linear mixed model fit by maximum likelihood (Laplace Approximation) [glmerMod

]

Family: binomial ( logit )

Formula: objectSubject\_LMER ~ (BINDING) + (1 | item\_LMER) + (1 | WorkerID)

Data: DatasetNEW

Control: glmerControl(optimizer = "bobyqa")

AIC BIC logLik deviance df.resid

3523.4 3547.4 -1757.7 3515.4 2984

Scaled residuals:

Min 1Q Median 3Q Max

-2.6693 -0.6654 -0.3477 0.7178 3.6031

Random effects:

Groups Name Variance Std.Dev.

WorkerID (Intercept) 1.5509 1.245

item\_LMER (Intercept) 0.3458 0.588

Number of obs: 2988, groups: WorkerID, 249; item\_LMER, 12

Fixed effects:

Estimate Std. Error z value Pr(>|z|)

(Intercept) -2.4082 0.4436 -5.429 5.68e-08 \*\*\*

BINDING 0.4969 0.1038 4.789 1.67e-06 \*\*\*

---

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

Correlation of Fixed Effects:

(Intr)

BINDING -0.901

> confint(model, parm="beta\_",method="Wald")

2.5 % 97.5 %

(Intercept) -3.2776055 -1.5387000

BINDING 0.2935651 0.7002595

Model 6 (Replication Dataset 2): For harm/force verbs only, a generalized linear mixed-effects regression model was computed for which binding values was included as the fixed predictor of the propensity to select subject (coded as 0) *versus* object (coded as 1) as the referent. Participant and verb were both included as random effects with random intercepts only.

Generalized linear mixed model fit by maximum likelihood (Laplace Approximation) [glmerMod

]

Family: binomial ( logit )

Formula: objectSubject\_LMER ~ (BINDING) + (1 | item\_LMER) + (1 | WorkerID)

Data: DatasetNEW

Control: glmerControl(optimizer = "bobyqa")

AIC BIC logLik deviance df.resid

10566.0 10594.6 -5279.0 10558.0 9452

Scaled residuals:

Min 1Q Median 3Q Max

-4.6805 -0.6077 -0.3658 0.7074 4.0033

Random effects:

Groups Name Variance Std.Dev.

WorkerID (Intercept) 1.4399 1.2000

item\_LMER (Intercept) 0.5224 0.7227

Number of obs: 9456, groups: WorkerID, 788; item\_LMER, 12

Fixed effects:

Estimate Std. Error z value Pr(>|z|)

(Intercept) -1.68246 0.29706 -5.664 1.48e-08 \*\*\*

BINDING 0.22373 0.05596 3.998 6.38e-05 \*\*\*

---

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

Correlation of Fixed Effects:

(Intr)

BINDING -0.691

> confint(model, parm="beta\_",method="Wald")

2.5 % 97.5 %

(Intercept) -2.2646916 -1.1002222

BINDING 0.1140514 0.3334032

Model 7 (Main Experiment): For neutral, filler verbs only, a generalized linear mixed-effects regression model was computed for which binding values was included as the fixed predictor of the propensity to select subject (coded as 0) *versus* object (coded as 1) as the referent. Participant and verb were both included as random effects with random intercepts only.

Generalized linear mixed model fit by maximum likelihood (Laplace Approximation) [glmerMod

]

Family: binomial ( logit )

Formula: objectSubject\_LMER ~ (BINDING) + (1 | item\_LMER) + (1 | WorkerID)

Data: DatasetNEW

Control: glmerControl(optimizer = "bobyqa")

AIC BIC logLik deviance df.resid

4996.0 5021.7 -2494.0 4988.0 4586

Scaled residuals:

Min 1Q Median 3Q Max

-5.0920 -0.6212 0.3333 0.5882 3.5587

Random effects:

Groups Name Variance Std.Dev.

WorkerID (Intercept) 0.926 0.9623

item\_LMER (Intercept) 1.536 1.2393

Number of obs: 4590, groups: WorkerID, 459; item\_LMER, 10

Fixed effects:

Estimate Std. Error z value Pr(>|z|)

(Intercept) 0.2097 0.4511 0.465 0.6421

BINDING 0.1058 0.0580 1.824 0.0681 .

---

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

Correlation of Fixed Effects:

(Intr)

BINDING -0.478

> confint(model, parm="beta\_",method="Wald")

2.5 % 97.5 %

(Intercept) -0.67446473 1.0937926

BINDING -0.00785403 0.2194923

Model 8 (Replication Dataset 1): For neutral, filler verbs only, a generalized linear mixed-effects regression model was computed for which binding values was included as the fixed predictor of the propensity to select subject (coded as 0) *versus* object (coded as 1) as the referent. Participant and verb were both included as random effects with random intercepts only.

Generalized linear mixed model fit by maximum likelihood (Laplace Approximation) [glmerMod

]

Family: binomial ( logit )

Formula: objectSubject\_LMER ~ (BINDING) + (1 | item\_LMER) + (1 | WorkerID)

Data: DatasetNEW

Control: glmerControl(optimizer = "bobyqa")

AIC BIC logLik deviance df.resid

2803.6 2826.8 -1397.8 2795.6 2486

Scaled residuals:

Min 1Q Median 3Q Max

-4.4360 -0.6952 0.3511 0.6408 3.1886

Random effects:

Groups Name Variance Std.Dev.

WorkerID (Intercept) 0.6673 0.8169

item\_LMER (Intercept) 1.2775 1.1303

Number of obs: 2490, groups: WorkerID, 249; item\_LMER, 10

Fixed effects:

Estimate Std. Error z value Pr(>|z|)

(Intercept) 0.33077 0.47264 0.700 0.484

BINDING 0.08090 0.07889 1.025 0.305

Correlation of Fixed Effects:

(Intr)

BINDING -0.636

> confint(model, parm="beta\_",method="Wald")

2.5 % 97.5 %

(Intercept) -0.59559665 1.2571329

BINDING -0.07373255 0.2355234

Model 9 (Replication Dataset 2): For neutral, filler verbs only, a generalized linear mixed-effects regression model was computed for which binding values was included as the fixed predictor of the propensity to select subject (coded as 0) *versus* object (coded as 1) as the referent. Participant and verb were both included as random effects with random intercepts only.

Generalized linear mixed model fit by maximum likelihood (Laplace Approximation) [glmerMod

]

Family: binomial ( logit )

Formula: objectSubject\_LMER ~ (BINDING) + (1 | item\_LMER) + (1 | WorkerID)

Data: DatasetNEW

Control: glmerControl(optimizer = "bobyqa")

AIC BIC logLik deviance df.resid

8265.4 8293.3 -4128.7 8257.4 7876

Scaled residuals:

Min 1Q Median 3Q Max

-4.6594 -0.6512 0.3063 0.5579 3.7349

Random effects:

Groups Name Variance Std.Dev.

WorkerID (Intercept) 0.6347 0.7967

item\_LMER (Intercept) 1.7985 1.3411

Number of obs: 7880, groups: WorkerID, 788; item\_LMER, 10

Fixed effects:

Estimate Std. Error z value Pr(>|z|)

(Intercept) 0.39125 0.45557 0.859 0.3904

BINDING 0.08383 0.04431 1.892 0.0585 .

---

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

Correlation of Fixed Effects:

(Intr)

BINDING -0.354

> confint(model, parm="beta\_",method="Wald")

2.5 % 97.5 %

(Intercept) -0.501650453 1.2841438

BINDING -0.003009084 0.1706691

Model 10 (Main Experiment): A generalized linear mixed-effects regression model was computed in which verb type (harm/force (coded as 0) *versus* neutral filler (coded as 1)) and individualizing values were included as fixed predictors of the propensity to select subject (coded as 0) *versus* object (coded as 1) as the referent. Participant and verb were both included as random effects with random intercepts only.

Generalized linear mixed model fit by maximum likelihood (Laplace Approximation) [glmerMod

]

Family: binomial ( logit )

Formula: objectSubject\_LMER ~ (HF\_Neut\_Verbs\_LMER \* INDIVIDUALIZING) +

(1 | item\_LMER) + (1 | WorkerID)

Data: DatasetNEW

Control: glmerControl(optimizer = "bobyqa")

AIC BIC logLik deviance df.resid

11635.3 11678.7 -5811.7 11623.3 10092

Scaled residuals:

Min 1Q Median 3Q Max

-6.5851 -0.6877 -0.2358 0.7258 4.5515

Random effects:

Groups Name Variance Std.Dev.

WorkerID (Intercept) 0.9076 0.9527

item\_LMER (Intercept) 0.8261 0.9089

Number of obs: 10098, groups: WorkerID, 459; item\_LMER, 22

Fixed effects:

Estimate Std. Error z value Pr(>|z|)

(Intercept) -0.46415 0.46436 -1.000 0.3175

HF\_Neut\_Verbs\_LMERneutral 0.88442 0.51530 1.716 0.0861 .

INDIVIDUALIZING -0.02168 0.07970 -0.272 0.7856

HF\_Neut\_Verbs\_LMERneutral:INDIVIDUALIZING 0.05955 0.07029 0.847 0.3969

---

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

Correlation of Fixed Effects:

(Intr) HF\_Nt\_V\_LMER INDIVI

HF\_Nt\_V\_LMER -0.486

INDIVIDUALI -0.817 0.238

HF\_N\_V\_LMER: 0.300 -0.649 -0.367

> confint(model, parm="beta\_",method="Wald")

2.5 % 97.5 %

(Intercept) -1.37428598 0.4459878

HF\_Neut\_Verbs\_LMERneutral -0.12555605 1.8943982

INDIVIDUALIZING -0.17788464 0.1345242

HF\_Neut\_Verbs\_LMERneutral:INDIVIDUALIZING -0.07821264 0.1973174

Model 11 (Replication Dataset 1): A generalized linear mixed-effects regression model was computed in which verb type (harm/force (coded as 0) *versus* neutral filler (coded as 1)) and individualizing values were included as fixed predictors of the propensity to select subject (coded as 0) *versus* object (coded as 1) as the referent. Participant and verb were both included as random effects with random intercepts only.

Generalized linear mixed model fit by maximum likelihood (Laplace Approximation) [glmerMod

]

Family: binomial ( logit )

Formula: objectSubject\_LMER ~ (HF\_Neut\_Verbs\_LMER \* INDIVIDUALIZING) +

(1 | item\_LMER) + (1 | WorkerID)

Data: DatasetNEW

Control: glmerControl(optimizer = "bobyqa")

AIC BIC logLik deviance df.resid

6396.6 6436.2 -3192.3 6384.6 5472

Scaled residuals:

Min 1Q Median 3Q Max

-7.4907 -0.7097 0.1240 0.7111 3.6598

Random effects:

Groups Name Variance Std.Dev.

WorkerID (Intercept) 0.9298 0.9643

item\_LMER (Intercept) 0.7626 0.8733

Number of obs: 5478, groups: WorkerID, 249; item\_LMER, 22

Fixed effects:

Estimate Std. Error z value Pr(>|z|)

(Intercept) -0.22758 0.56466 -0.403 0.6869

HF\_Neut\_Verbs\_LMERneutral 0.05390 0.57473 0.094 0.9253

INDIVIDUALIZING -0.04692 0.10710 -0.438 0.6613

HF\_Neut\_Verbs\_LMERneutral:INDIVIDUALIZING 0.22619 0.09269 2.440 0.0147 \*

---

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

Correlation of Fixed Effects:

(Intr) HF\_Nt\_V\_LMER INDIVI

HF\_Nt\_V\_LMER -0.444

INDIVIDUALI -0.885 0.274

HF\_N\_V\_LMER: 0.322 -0.751 -0.365

> confint(model, parm="beta\_",method="Wald")

2.5 % 97.5 %

(Intercept) -1.3342997 0.8791325

HF\_Neut\_Verbs\_LMERneutral -1.0725438 1.1803412

INDIVIDUALIZING -0.2568431 0.1629976

HF\_Neut\_Verbs\_LMERneutral:INDIVIDUALIZING 0.0445276 0.4078565

Model 12 (Replication Dataset 2): A generalized linear mixed-effects regression model was computed in which verb type (harm/force (coded as 0) *versus* neutral filler (coded as 1)) and individualizing values were included as fixed predictors of the propensity to select subject (coded as 0) *versus* object (coded as 1) as the referent. Participant and verb were both included as random effects with random intercepts only.

Generalized linear mixed model fit by maximum likelihood (Laplace Approximation) [glmerMod

]

Family: binomial ( logit )

Formula: objectSubject\_LMER ~ (HF\_Neut\_Verbs\_LMER \* INDIVIDUALIZING) +

(1 | item\_LMER) + (1 | WorkerID)

Data: DatasetNEW

Control: glmerControl(optimizer = "bobyqa")

AIC BIC logLik deviance df.resid

19031.5 19078.1 -9509.8 19019.5 17330

Scaled residuals:

Min 1Q Median 3Q Max

-7.1350 -0.6294 -0.3417 0.6475 4.5271

Random effects:

Groups Name Variance Std.Dev.

WorkerID (Intercept) 0.7767 0.8813

item\_LMER (Intercept) 1.0680 1.0335

Number of obs: 17336, groups: WorkerID, 788; item\_LMER, 22

Fixed effects:

Estimate Std. Error z value Pr(>|z|)

(Intercept) -0.24415 0.40947 -0.596 0.5510

HF\_Neut\_Verbs\_LMERneutral 0.98228 0.51509 1.907 0.0565 .

INDIVIDUALIZING -0.11474 0.05953 -1.927 0.0539 .

HF\_Neut\_Verbs\_LMERneutral:INDIVIDUALIZING 0.10886 0.05583 1.950 0.0512 .

---

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

Correlation of Fixed Effects:

(Intr) HF\_Nt\_V\_LMER INDIVI

HF\_Nt\_V\_LMER -0.563

INDIVIDUALI -0.677 0.202

HF\_N\_V\_LMER: 0.271 -0.505 -0.400

> confint(model, parm="beta\_",method="Wald")

2.5 % 97.5 %

(Intercept) -1.0467069989 0.558398723

HF\_Neut\_Verbs\_LMERneutral -0.0272751618 1.991834562

INDIVIDUALIZING -0.2314255623 0.001938864

HF\_Neut\_Verbs\_LMERneutral:INDIVIDUALIZING -0.0005708122 0.218296503

Model 13 (Replication Dataset 2): For harm/force verbs only, a generalized linear mixed-effects regression model was computed in which individualizing values was included as a fixed predictor of the propensity to select subject (coded as 0) *versus* object (coded as 1) as the referent. Participant and verb were both included as random effects with random intercepts only.

Generalized linear mixed model fit by maximum likelihood (Laplace Approximation) [glmerMod

]

Family: binomial ( logit )

Formula: objectSubject\_LMER ~ (INDIVIDUALIZING) + (1 | item\_LMER) + (1 | WorkerID)

Data: DatasetNEW

Control: glmerControl(optimizer = "bobyqa")

AIC BIC logLik deviance df.resid

3545.4 3569.4 -1768.7 3537.4 2984

Scaled residuals:

Min 1Q Median 3Q Max

-2.7284 -0.6694 -0.3552 0.7141 3.5297

Random effects:

Groups Name Variance Std.Dev.

WorkerID (Intercept) 1.7331 1.3165

item\_LMER (Intercept) 0.3462 0.5884

Number of obs: 2988, groups: WorkerID, 249; item\_LMER, 12

Fixed effects:

Estimate Std. Error z value Pr(>|z|)

(Intercept) -0.12141 0.66733 -0.182 0.856

INDIVIDUALIZING -0.08229 0.13693 -0.601 0.548

Correlation of Fixed Effects:

(Intr)

INDIVIDUALI -0.957

> confint(model, parm="beta\_",method="Wald")

2.5 % 97.5 %

(Intercept) -1.4293479 1.1865271

INDIVIDUALIZING -0.3506557 0.1860851

Model 14 (Replication Dataset 2): For neutral, filler verbs only, a generalized linear mixed-effects regression model was computed in which individualizing values was included as a fixed predictor of the propensity to select subject (coded as 0) *versus* object (coded as 1) as the referent. Participant and verb were both included as random effects with random intercepts only.

Generalized linear mixed model fit by maximum likelihood (Laplace Approximation) [glmerMod

]

Family: binomial ( logit )

Formula: objectSubject\_LMER ~ (INDIVIDUALIZING) + (1 | item\_LMER) + (1 | WorkerID)

Data: DatasetNEW

Control: glmerControl(optimizer = "bobyqa")

AIC BIC logLik deviance df.resid

2801.9 2825.2 -1397.0 2793.9 2486

Scaled residuals:

Min 1Q Median 3Q Max

-4.4008 -0.7019 0.3502 0.6376 3.2743

Random effects:

Groups Name Variance Std.Dev.

WorkerID (Intercept) 0.6548 0.8092

item\_LMER (Intercept) 1.2771 1.1301

Number of obs: 2490, groups: WorkerID, 249; item\_LMER, 10

Fixed effects:

Estimate Std. Error z value Pr(>|z|)

(Intercept) -0.1412 0.5972 -0.236 0.8130

INDIVIDUALIZING 0.1672 0.1015 1.648 0.0994 .

---

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

Correlation of Fixed Effects:

(Intr)

INDIVIDUALI -0.792

> confint(model, parm="beta\_",method="Wald")

2.5 % 97.5 %

(Intercept) -1.31165367 1.0291976

INDIVIDUALIZING -0.03169598 0.3660857

Model 15 (Main Experiment): For the harm/force verbs only, binding values, political orientation, gender (0 = male, 1 = female), and religiosity were included as fixed predictors of selecting subject (coded as 0) *versus* object (coded as 1) as the referent. Participant and verb were both included as random effects with random intercepts only.

Generalized linear mixed model fit by maximum likelihood (Laplace Approximation) [glmerMod

]

Family: binomial ( logit )

Formula: objectSubject\_LMER ~ (BINDING + POLITICS + GENDER + RELIGION) +

(1 | item\_LMER) + (1 | WorkerID)

Data: DatasetNEW

Control: glmerControl(optimizer = "bobyqa")

AIC BIC logLik deviance df.resid

6422.7 6468.9 -3204.4 6408.7 5429

Scaled residuals:

Min 1Q Median 3Q Max

-2.9984 -0.6647 -0.3823 0.7680 3.4197

Random effects:

Groups Name Variance Std.Dev.

WorkerID (Intercept) 1.0930 1.0455

item\_LMER (Intercept) 0.3199 0.5656

Number of obs: 5436, groups: WorkerID, 453; item\_LMER, 12

Fixed effects:

Estimate Std. Error z value Pr(>|z|)

(Intercept) -1.06191 0.41954 -2.531 0.01137 \*

BINDING 0.20746 0.07604 2.728 0.00636 \*\*

POLITICS -0.06598 0.04149 -1.590 0.11178

GENDER -0.58516 0.11905 -4.915 8.87e-07 \*\*\*

RELIGION 0.08832 0.03279 2.694 0.00707 \*\*

---

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

Correlation of Fixed Effects:

(Intr) BINDIN POLITI GENDER

BINDING -0.697

POLITICS -0.707 0.310

GENDER -0.139 0.045 -0.068

RELIGION -0.016 -0.485 0.154 -0.036

> confint(model, parm="beta\_",method="Wald")

2.5 % 97.5 %

(Intercept) -1.88420009 -0.23962612

BINDING 0.05842865 0.35648208

POLITICS -0.14730909 0.01534117

GENDER -0.81849235 -0.35182464

RELIGION 0.02405859 0.15258811

Model 16 (Replication Dataset 1): For the harm/force verbs only, binding values, political orientation, gender (0 = male, 1 = female), and religiosity were included as fixed predictors of selecting subject (coded as 0) *versus* object (coded as 1) as the referent. Participant and verb were both included as random effects with random intercepts only.

Generalized linear mixed model fit by maximum likelihood (Laplace Approximation) [glmerMod

]

Family: binomial ( logit )

Formula: objectSubject\_LMER ~ (BINDING + POLITICS + GENDER + RELIGION) +

(1 | item\_LMER) + (1 | WorkerID)

Data: DatasetNEW

Control: glmerControl(optimizer = "bobyqa")

AIC BIC logLik deviance df.resid

3488.8 3530.7 -1737.4 3474.8 2945

Scaled residuals:

Min 1Q Median 3Q Max

-2.6083 -0.6687 -0.3479 0.7233 3.6572

Random effects:

Groups Name Variance Std.Dev.

WorkerID (Intercept) 1.518 1.2321

item\_LMER (Intercept) 0.352 0.5933

Number of obs: 2952, groups: WorkerID, 246; item\_LMER, 12

Fixed effects:

Estimate Std. Error z value Pr(>|z|)

(Intercept) -2.712818 0.647766 -4.188 2.81e-05 \*\*\*

BINDING 0.531234 0.130183 4.081 4.49e-05 \*\*\*

POLITICS 0.083229 0.063468 1.311 0.1897

GENDER -0.351265 0.183154 -1.918 0.0551 .

RELIGION -0.004209 0.053930 -0.078 0.9378

---

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

Correlation of Fixed Effects:

(Intr) BINDIN POLITI GENDER

BINDING -0.733

POLITICS -0.678 0.184

GENDER -0.156 0.081 -0.060

RELIGION -0.035 -0.485 0.312 -0.105

> confint(model, parm="beta\_",method="Wald")

2.5 % 97.5 %

(Intercept) -3.98241530 -1.443220427

BINDING 0.27608106 0.786387621

POLITICS -0.04116604 0.207623848

GENDER -0.71024035 0.007710803

RELIGION -0.10990929 0.101491188

Model 17 (Replication Dataset 2): For the harm/force verbs only, binding values, political orientation, gender (0 = male, 1 = female), and religiosity were included as fixed predictors of selecting subject (coded as 0) *versus* object (coded as 1) as the referent. Participant and verb were both included as random effects with random intercepts only.

Generalized linear mixed model fit by maximum likelihood (Laplace Approximation) [glmerMod

]

Family: binomial ( logit )

Formula: objectSubject\_LMER ~ (BINDING + POLITICS + GENDER + RELIGION) +

(1 | item\_LMER) + (1 | WorkerID)

Data: DatasetNEW

Control: glmerControl(optimizer = "bobyqa")

AIC BIC logLik deviance df.resid

10481.1 10531.2 -5233.6 10467.1 9377

Scaled residuals:

Min 1Q Median 3Q Max

-4.6384 -0.6063 -0.3649 0.7038 3.9053

Random effects:

Groups Name Variance Std.Dev.

WorkerID (Intercept) 1.4108 1.1878

item\_LMER (Intercept) 0.5277 0.7264

Number of obs: 9384, groups: WorkerID, 782; item\_LMER, 12

Fixed effects:

Estimate Std. Error z value Pr(>|z|)

(Intercept) -1.29964 0.39479 -3.292 0.000995 \*\*\*

BINDING 0.24741 0.06703 3.691 0.000223 \*\*\*

POLITICS -0.03625 0.03575 -1.014 0.310621

GENDER -0.23727 0.10511 -2.257 0.023980 \*

RELIGION -0.04686 0.02772 -1.690 0.090979 .

---

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

Correlation of Fixed Effects:

(Intr) BINDIN POLITI GENDER

BINDING -0.656

POLITICS -0.636 0.304

GENDER -0.061 -0.053 -0.131

RELIGION -0.100 -0.358 0.270 -0.101

> confint(model, parm="beta\_",method="Wald")

2.5 % 97.5 %

(Intercept) -2.0734132 -0.525865648

BINDING 0.1160374 0.378783502

POLITICS -0.1063276 0.033824602

GENDER -0.4432792 -0.031267759

RELIGION -0.1011927 0.007476932

Model 18 (Main Experiment): A generalized linear mixed-effects regression model in which verb type (harm/force (coded as 0) *versus* neutral filler (coded as 1)) and gender condition (male-verbed-female (coded as 0) *versus* female-verbed-male (coded as 1)) were included as fixed predictors of the propensity to select subject (coded as 0) *versus* object (coded as 1) as the referent. Participant and verb were both included as random effects with random intercepts only.

Generalized linear mixed model fit by maximum likelihood (Laplace Approximation) [glmerMod

]

Family: binomial ( logit )

Formula: objectSubject\_LMER ~ (Condition\_MVF0\_FVM1 \* HF\_Neut\_Verbs\_LMER) +

(1 | item\_LMER) + (1 | WorkerID)

Data: DatasetNEW

Control: glmerControl(optimizer = "bobyqa")

AIC BIC logLik deviance df.resid

11529.3 11572.6 -5758.7 11517.3 10092

Scaled residuals:

Min 1Q Median 3Q Max

-7.1490 -0.6767 -0.2437 0.7089 3.9503

Random effects:

Groups Name Variance Std.Dev.

WorkerID (Intercept) 0.9184 0.9583

item\_LMER (Intercept) 0.8394 0.9162

Number of obs: 10098, groups: WorkerID, 459; item\_LMER, 22

Fixed effects:

Estimate Std. Error z value Pr(>|z|)

(Intercept) -0.83904 0.27551 -3.045 0.00232 \*\*

Condition\_MVF0\_FVM1 0.53343 0.10908 4.890 1.01e-06 \*\*\*

HF\_Neut\_Verbs\_LMERneutral 1.66736 0.39839 4.185 2.85e-05 \*\*\*

Condition\_MVF0\_FVM1:HF\_Neut\_Verbs\_LMERneutral -0.98747 0.09593 -10.293 < 2e-16 \*\*\*

---

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

Correlation of Fixed Effects:

(Intr) Cn\_MVF0\_FVM1 HF\_N\_V

Cn\_MVF0\_FVM1 -0.198

HF\_N\_V\_LMER -0.656 0.047

C\_MVF0\_FVM1: 0.078 -0.371 -0.126

> confint(model, parm="beta\_",method="Wald")

2.5 % 97.5 %

(Intercept) -1.3790320 -0.2990515

Condition\_MVF0\_FVM1 0.3196409 0.7472125

HF\_Neut\_Verbs\_LMERneutral 0.8865235 2.4481889

Condition\_MVF0\_FVM1:HF\_Neut\_Verbs\_LMERneutral -1.1755012 -0.7994440

Model 19 (Replication Dataset 1): A generalized linear mixed-effects regression model in which verb type (harm/force (coded as 0) *versus* neutral filler (coded as 1)) and gender condition (male-verbed-female (coded as 0) *versus* female-verbed-male (coded as 1)) were included as fixed predictors of the propensity to select subject (coded as 0) *versus* object (coded as 1) as the referent. Participant and verb were both included as random effects with random intercepts only.

Generalized linear mixed model fit by maximum likelihood (Laplace Approximation) [glmerMod

]

Family: binomial ( logit )

Formula: objectSubject\_LMER ~ (Condition\_MVF0\_FVM1 \* HF\_Neut\_Verbs\_LMER) +

(1 | item\_LMER) + (1 | WorkerID)

Data: DatasetNEW

Control: glmerControl(optimizer = "bobyqa")

AIC BIC logLik deviance df.resid

6359.5 6399.2 -3173.8 6347.5 5472

Scaled residuals:

Min 1Q Median 3Q Max

-6.9408 -0.7022 0.1155 0.7075 3.5597

Random effects:

Groups Name Variance Std.Dev.

WorkerID (Intercept) 0.9204 0.9594

item\_LMER (Intercept) 0.7611 0.8724

Number of obs: 5478, groups: WorkerID, 249; item\_LMER, 22

Fixed effects:

Estimate Std. Error z value Pr(>|z|)

(Intercept) -0.8251 0.2739 -3.012 0.00259 \*\*

Condition\_MVF0\_FVM1 0.7073 0.1484 4.766 1.88e-06 \*\*\*

HF\_Neut\_Verbs\_LMERneutral 1.5230 0.3858 3.948 7.88e-05 \*\*\*

Condition\_MVF0\_FVM1:HF\_Neut\_Verbs\_LMERneutral -0.7751 0.1295 -5.987 2.14e-09 \*\*\*

---

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

Correlation of Fixed Effects:

(Intr) Cn\_MVF0\_FVM1 HF\_N\_V

Cn\_MVF0\_FVM1 -0.287

HF\_N\_V\_LMER -0.638 0.072

C\_MVF0\_FVM1: 0.115 -0.375 -0.183

> confint(model, parm="beta\_",method="Wald")

2.5 % 97.5 %

(Intercept) -1.3619895 -0.2882314

Condition\_MVF0\_FVM1 0.4164278 0.9981002

HF\_Neut\_Verbs\_LMERneutral 0.7669199 2.2791401

Condition\_MVF0\_FVM1:HF\_Neut\_Verbs\_LMERneutral -1.0288094 -0.5213262

Model 20 (Replication Dataset 2): A generalized linear mixed-effects regression model in which verb type (harm/force (coded as 0) *versus* neutral filler (coded as 1)) and gender condition (male-verbed-female (coded as 0) *versus* female-verbed-male (coded as 1)) were included as fixed predictors of the propensity to select subject (coded as 0) *versus* object (coded as 1) as the referent. Participant and verb were both included as random effects with random intercepts only.

Generalized linear mixed model fit by maximum likelihood (Laplace Approximation) [glmerMod

]

Family: binomial ( logit )

Formula: objectSubject\_LMER ~ (Condition\_MVF0\_FVM1 \* HF\_Neut\_Verbs\_LMER) +

(1 | item\_LMER) + (1 | WorkerID)

Data: DatasetNEW

Control: glmerControl(optimizer = "bobyqa")

AIC BIC logLik deviance df.resid

18790.1 18836.7 -9389.1 18778.1 17330

Scaled residuals:

Min 1Q Median 3Q Max

-6.0377 -0.6362 -0.3115 0.6433 4.3506

Random effects:

Groups Name Variance Std.Dev.

WorkerID (Intercept) 0.7696 0.8773

item\_LMER (Intercept) 1.0851 1.0417

Number of obs: 17336, groups: WorkerID, 788; item\_LMER, 22

Fixed effects:

Estimate Std. Error z value Pr(>|z|)

(Intercept) -1.18380 0.30558 -3.874 0.000107 \*\*\*

Condition\_MVF0\_FVM1 0.80398 0.07967 10.091 < 2e-16 \*\*\*

HF\_Neut\_Verbs\_LMERneutral 2.05606 0.44851 4.584 4.56e-06 \*\*\*

Condition\_MVF0\_FVM1:HF\_Neut\_Verbs\_LMERneutral -1.13760 0.07523 -15.121 < 2e-16 \*\*\*

---

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

Correlation of Fixed Effects:

(Intr) Cn\_MVF0\_FVM1 HF\_N\_V

Cn\_MVF0\_FVM1 -0.130

HF\_N\_V\_LMER -0.667 0.037

C\_MVF0\_FVM1: 0.057 -0.408 -0.087

> confint(model, parm="beta\_",method="Wald")

2.5 % 97.5 %

(Intercept) -1.7827285 -0.5848771

Condition\_MVF0\_FVM1 0.6478278 0.9601294

HF\_Neut\_Verbs\_LMERneutral 1.1769865 2.9351278

Condition\_MVF0\_FVM1:HF\_Neut\_Verbs\_LMERneutral -1.2850567 -0.9901434

Model 21 (Main Experiment): For harm/force verbs only, a generalized linear mixed-effects regression model was computed for which gender condition was included as the fixed predictor of selecting subject (coded as 0) versus object (coded as 1) as the referent. Participant and verb were both included as random effects with random intercepts only.

Generalized linear mixed model fit by maximum likelihood (Laplace Approximation) [glmerMod

]

Family: binomial ( logit )

Formula: objectSubject\_LMER ~ (Condition\_MVF0\_FVM1) + (1 | item\_LMER) +

(1 | WorkerID)

Data: DatasetNEW

Control: glmerControl(optimizer = "bobyqa")

AIC BIC logLik deviance df.resid

6534.4 6560.9 -3263.2 6526.4 5504

Scaled residuals:

Min 1Q Median 3Q Max

-3.1693 -0.6816 -0.3833 0.7787 3.5436

Random effects:

Groups Name Variance Std.Dev.

WorkerID (Intercept) 1.3136 1.1461

item\_LMER (Intercept) 0.3175 0.5635

Number of obs: 5508, groups: WorkerID, 459; item\_LMER, 12

Fixed effects:

Estimate Std. Error z value Pr(>|z|)

(Intercept) -1.5557 0.2575 -6.042 1.52e-09 \*\*\*

Condition\_MVF0\_FVM1 0.6250 0.1255 4.981 6.32e-07 \*\*\*

---

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

Correlation of Fixed Effects:

(Intr)

C\_MVF0\_FVM1 -0.736

> confint(model, parm="beta\_",method="Wald")

2.5 % 97.5 %

(Intercept) -2.0603275 -1.0510363

Condition\_MVF0\_FVM1 0.3790895 0.8709454

Model 22 (Replication Dataset 1): For harm/force verbs only, a generalized linear mixed-effects regression model was computed for which gender condition was included as the fixed predictor of selecting subject (coded as 0) versus object (coded as 1) as the referent. Participant and verb were both included as random effects with random intercepts only.

Generalized linear mixed model fit by maximum likelihood (Laplace Approximation) [glmerMod

]

Family: binomial ( logit )

Formula: objectSubject\_LMER ~ (Condition\_MVF0\_FVM1) + (1 | item\_LMER) +

(1 | WorkerID)

Data: DatasetNEW

Control: glmerControl(optimizer = "bobyqa")

AIC BIC logLik deviance df.resid

3527.3 3551.3 -1759.6 3519.3 2984

Scaled residuals:

Min 1Q Median 3Q Max

-2.7840 -0.6718 -0.3506 0.7248 3.6758

Random effects:

Groups Name Variance Std.Dev.

WorkerID (Intercept) 1.5808 1.2573

item\_LMER (Intercept) 0.3461 0.5883

Number of obs: 2988, groups: WorkerID, 249; item\_LMER, 12

Fixed effects:

Estimate Std. Error z value Pr(>|z|)

(Intercept) -0.9245 0.2166 -4.269 1.96e-05 \*\*\*

Condition\_MVF0\_FVM1 0.8000 0.1839 4.350 1.36e-05 \*\*\*

---

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

Correlation of Fixed Effects:

(Intr)

C\_MVF0\_FVM1 -0.453

> confint(model, parm="beta\_",method="Wald")

2.5 % 97.5 %

(Intercept) -1.3490059 -0.5000864

Condition\_MVF0\_FVM1 0.4394842 1.1604244

Model 23 (Replication Dataset 2): For harm/force verbs only, a generalized linear mixed-effects regression model was computed for which gender condition was included as the fixed predictor of selecting subject (coded as 0) versus object (coded as 1) as the referent. Participant and verb were both included as random effects with random intercepts only.

Generalized linear mixed model fit by maximum likelihood (Laplace Approximation) [glmerMod

]

Family: binomial ( logit )

Formula: objectSubject\_LMER ~ (Condition\_MVF0\_FVM1) + (1 | item\_LMER) +

(1 | WorkerID)

Data: DatasetNEW

Control: glmerControl(optimizer = "bobyqa")

AIC BIC logLik deviance df.resid

10496.3 10524.9 -5244.2 10488.3 9452

Scaled residuals:

Min 1Q Median 3Q Max

-4.7035 -0.6066 -0.3553 0.6920 4.3412

Random effects:

Groups Name Variance Std.Dev.

WorkerID (Intercept) 1.272 1.1279

item\_LMER (Intercept) 0.523 0.7232

Number of obs: 9456, groups: WorkerID, 788; item\_LMER, 12

Fixed effects:

Estimate Std. Error z value Pr(>|z|)

(Intercept) -1.30197 0.21959 -5.929 3.04e-09 \*\*\*

Condition\_MVF0\_FVM1 0.90480 0.09606 9.419 < 2e-16 \*\*\*

---

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

Correlation of Fixed Effects:

(Intr)

C\_MVF0\_FVM1 -0.221

> confint(model, parm="beta\_",method="Wald")

2.5 % 97.5 %

(Intercept) -1.7323504 -0.8715883

Condition\_MVF0\_FVM1 0.7165315 1.0930639

Model 24 (Main Experiment): For neutral, filler verbs only, a generalized linear mixed-effects regression model was computed for which gender condition was included as the fixed predictor of selecting subject (coded as 0) versus object (coded as 1) as the referent. Participant and verb were both included as random effects with random intercepts only.

Generalized linear mixed model fit by maximum likelihood (Laplace Approximation) [glmerMod

]

Family: binomial ( logit )

Formula: objectSubject\_LMER ~ (Condition\_MVF0\_FVM1) + (1 | item\_LMER) +

(1 | WorkerID)

Data: DatasetNEW

Control: glmerControl(optimizer = "bobyqa")

AIC BIC logLik deviance df.resid

4985.2 5010.9 -2488.6 4977.2 4586

Scaled residuals:

Min 1Q Median 3Q Max

-4.7702 -0.6369 0.3305 0.6073 3.7070

Random effects:

Groups Name Variance Std.Dev.

WorkerID (Intercept) 0.8879 0.9423

item\_LMER (Intercept) 1.5355 1.2391

Number of obs: 4590, groups: WorkerID, 459; item\_LMER, 10

Fixed effects:

Estimate Std. Error z value Pr(>|z|)

(Intercept) 0.8176 0.4000 2.044 0.040975 \*

Condition\_MVF0\_FVM1 -0.4341 0.1143 -3.797 0.000147 \*\*\*

---

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

Correlation of Fixed Effects:

(Intr)

C\_MVF0\_FVM1 -0.143

> confint(model, parm="beta\_",method="Wald")

2.5 % 97.5 %

(Intercept) 0.03353288 1.6016759

Condition\_MVF0\_FVM1 -0.65819618 -0.2100213

Model 25 (Replication Dataset 1): For neutral, filler verbs only, a generalized linear mixed-effects regression model was computed for which gender condition was included as the fixed predictor of selecting subject (coded as 0) versus object (coded as 1) as the referent. Participant and verb were both included as random effects with random intercepts only.

Generalized linear mixed model fit by maximum likelihood (Laplace Approximation) [glmerMod

]

Family: binomial ( logit )

Formula: objectSubject\_LMER ~ (Condition\_MVF0\_FVM1) + (1 | item\_LMER) +

(1 | WorkerID)

Data: DatasetNEW

Control: glmerControl(optimizer = "bobyqa")

AIC BIC logLik deviance df.resid

2804.5 2827.8 -1398.3 2796.5 2486

Scaled residuals:

Min 1Q Median 3Q Max

-4.3525 -0.6920 0.3528 0.6444 3.2182

Random effects:

Groups Name Variance Std.Dev.

WorkerID (Intercept) 0.6698 0.8184

item\_LMER (Intercept) 1.2772 1.1301

Number of obs: 2490, groups: WorkerID, 249; item\_LMER, 10

Fixed effects:

Estimate Std. Error z value Pr(>|z|)

(Intercept) 0.66011 0.37182 1.775 0.0758 .

Condition\_MVF0\_FVM1 -0.03956 0.14142 -0.280 0.7797

---

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

Correlation of Fixed Effects:

(Intr)

C\_MVF0\_FVM1 -0.197

> confint(model, parm="beta\_",method="Wald")

2.5 % 97.5 %

(Intercept) -0.06864477 1.3888667

Condition\_MVF0\_FVM1 -0.31674703 0.2376264

Model 26 (Replication Dataset 2): For neutral, filler verbs only, a generalized linear mixed-effects regression model was computed for which gender condition was included as the fixed predictor of selecting subject (coded as 0) versus object (coded as 1) as the referent. Participant and verb were both included as random effects with random intercepts only.

Generalized linear mixed model fit by maximum likelihood (Laplace Approximation) [glmerMod

]

Family: binomial ( logit )

Formula: objectSubject\_LMER ~ (Condition\_MVF0\_FVM1) + (1 | item\_LMER) +

(1 | WorkerID)

Data: DatasetNEW

Control: glmerControl(optimizer = "bobyqa")

AIC BIC logLik deviance df.resid

8252.5 8280.4 -4122.2 8244.5 7876

Scaled residuals:

Min 1Q Median 3Q Max

-4.3765 -0.6269 0.3115 0.5665 3.8707

Random effects:

Groups Name Variance Std.Dev.

WorkerID (Intercept) 0.6131 0.783

item\_LMER (Intercept) 1.7985 1.341

Number of obs: 7880, groups: WorkerID, 788; item\_LMER, 10

Fixed effects:

Estimate Std. Error z value Pr(>|z|)

(Intercept) 0.85231 0.42755 1.993 0.0462 \*

Condition\_MVF0\_FVM1 -0.32357 0.07903 -4.094 4.23e-05 \*\*\*

---

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

Correlation of Fixed Effects:

(Intr)

C\_MVF0\_FVM1 -0.091

> confint(model, parm="beta\_",method="Wald")

2.5 % 97.5 %

(Intercept) 0.01432383 1.6902885

Condition\_MVF0\_FVM1 -0.47845412 -0.1686816

Model 27 (Main Experiment): A linear mixed-effects model was computed in which binding values and verb type (harm/force (coded as 0) *versus* neutral filler (coded as 1)) were included as fixed predictors of judgments for necessity. Participant and verb were both included as random effects with random intercepts only.

Linear mixed model fit by REML t-tests use Satterthwaite approximations to degrees of

freedom [lmerMod]

Formula: nec\_RC ~ (HF\_Neutral\_Explicit \* BINDING) + (1 | item\_explicit) +

(1 | WorkerID)

Data: DatasetNEW

REML criterion at convergence: 90454.2

Scaled residuals:

Min 1Q Median 3Q Max

-4.3300 -0.6955 -0.0055 0.6530 4.2956

Random effects:

Groups Name Variance Std.Dev.

WorkerID (Intercept) 240.6 15.51

item\_explicit (Intercept) 107.5 10.37

Residual 400.2 20.00

Number of obs: 10096, groups: WorkerID, 459; item\_explicit, 22

Fixed effects:

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

(Intercept) 68.7960 4.2354 76.0000 16.243 < 2e-16 \*\*\*

HF\_Neutral\_Explicitneutral -33.8287 4.7017 25.0000 -7.195 1.62e-07 \*\*\*

BINDING -3.3577 0.7756 512.0000 -4.329 1.80e-05 \*\*\*

HF\_Neutral\_Explicitneutral:BINDING 2.9563 0.4014 9615.0000 7.365 1.92e-13 \*\*\*

---

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

Correlation of Fixed Effects:

(Intr) HF\_Nt\_E BINDIN

HF\_Ntrl\_Exp -0.505

BINDING -0.684 0.075

HF\_N\_E:BIND 0.161 -0.319 -0.235

> confint(model, "beta\_", level = 0.95, method = c("boot"), nsim = 500, boot.type = c("perc"), FUN=NULL, quiet=FALSE, oldNames = TRUE)

Computing bootstrap confidence intervals ...

2.5 % 97.5 %

(Intercept) 60.900712 76.563574

HF\_Neutral\_Explicitneutral -42.769643 -25.961096

BINDING -4.750783 -1.860975

HF\_Neutral\_Explicitneutral:BINDING 2.213744 3.741052

Model 28 (Main Experiment): A linear mixed-effects model was computed in which binding values and verb type (harm/force (coded as 0) *versus* neutral filler (coded as 1)) were included as fixed predictors of judgments for sufficiency. Participant and verb were both included as random effects with random intercepts only.

Linear mixed model fit by REML t-tests use Satterthwaite approximations to degrees of

freedom [lmerMod]

Formula: suff ~ (HF\_Neutral\_Explicit \* BINDING) + (1 | item\_explicit) +

(1 | WorkerID)

Data: DatasetNEW

REML criterion at convergence: 87744.3

Scaled residuals:

Min 1Q Median 3Q Max

-5.5616 -0.4392 0.0751 0.5755 4.7497

Random effects:

Groups Name Variance Std.Dev.

WorkerID (Intercept) 286.49 16.926

item\_explicit (Intercept) 11.31 3.363

Residual 300.62 17.338

Number of obs: 10098, groups: WorkerID, 459; item\_explicit, 22

Fixed effects:

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

(Intercept) 74.4527 3.3406 476.0000 22.287 < 2e-16 \*\*\*

HF\_Neutral\_Explicitneutral -3.3419 1.9701 63.0000 -1.696 0.094792 .

BINDING -1.7662 0.8271 492.0000 -2.135 0.033226 \*

HF\_Neutral\_Explicitneutral:BINDING 1.1842 0.3479 9617.0000 3.404 0.000667 \*\*\*

---

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

Correlation of Fixed Effects:

(Intr) HF\_Nt\_E BINDIN

HF\_Ntrl\_Exp -0.268

BINDING -0.925 0.126

HF\_N\_E:BIND 0.177 -0.659 -0.191

> confint(model, "beta\_", level = 0.95, method = c("boot"), nsim = 500, boot.type = c("perc"), FUN=NULL, quiet=FALSE, oldNames = TRUE)

Computing bootstrap confidence intervals ...

2.5 % 97.5 %

(Intercept) 67.7495126 81.2900939

HF\_Neutral\_Explicitneutral -7.1295893 0.6192407

BINDING -3.5468606 -0.1639261

HF\_Neutral\_Explicitneutral:BINDING 0.4432511 1.8700540

Model 29 (Main Experiment): A linear mixed-effects model was computed in which binding values and verb type (harm/force (coded as 0) *versus* neutral filler (coded as 1)) were included as fixed predictors of judgments for allowing. Participant and verb were both included as random effects with random intercepts only.

Linear mixed model fit by REML t-tests use Satterthwaite approximations to degrees of

freedom [lmerMod]

Formula: allow ~ (HF\_Neutral\_Explicit \* BINDING) + (1 | item\_explicit) +

(1 | WorkerID)

Data: DatasetNEW

REML criterion at convergence: 94079.7

Scaled residuals:

Min 1Q Median 3Q Max

-3.9389 -0.6967 -0.0132 0.7210 3.8883

Random effects:

Groups Name Variance Std.Dev.

WorkerID (Intercept) 222.2 14.91

item\_explicit (Intercept) 211.9 14.56

Residual 583.2 24.15

Number of obs: 10097, groups: WorkerID, 459; item\_explicit, 22

Fixed effects:

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

(Intercept) 12.4657 5.1513 44.0000 2.420 0.019699 \*

HF\_Neutral\_Explicitneutral 30.9521 6.5074 23.0000 4.756 8.12e-05 \*\*\*

BINDING 5.7103 0.7712 542.0000 7.405 5.07e-13 \*\*\*

HF\_Neutral\_Explicitneutral:BINDING -1.7077 0.4846 9616.0000 -3.524 0.000427 \*\*\*

---

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

Correlation of Fixed Effects:

(Intr) HF\_Nt\_E BINDIN

HF\_Ntrl\_Exp -0.574

BINDING -0.559 0.079

HF\_N\_E:BIND 0.160 -0.278 -0.286

> confint(model, "beta\_", level = 0.95, method = c("boot"), nsim = 500, boot.type = c("perc"), FUN=NULL, quiet=FALSE, oldNames = TRUE)

Computing bootstrap confidence intervals ...

2.5 % 97.5 %

(Intercept) 1.133913 22.5433574

HF\_Neutral\_Explicitneutral 18.594688 44.0163457

BINDING 4.156146 7.3665579

HF\_Neutral\_Explicitneutral:BINDING -2.610626 -0.7123088

Model 30 (Main Experiment): A linear mixed-effects model was computed in which binding values and verb type (harm/force (coded as 0) *versus* neutral filler (coded as 1)) were included as fixed predictors of judgments for controlling. Participant and verb were both included as random effects with random intercepts only.

Linear mixed model fit by REML t-tests use Satterthwaite approximations to degrees of

freedom [lmerMod]

Formula: control ~ (HF\_Neutral\_Explicit \* BINDING) + (1 | item\_explicit) +

(1 | WorkerID)

Data: DatasetNEW

REML criterion at convergence: 93925.2

Scaled residuals:

Min 1Q Median 3Q Max

-3.2208 -0.6850 -0.0951 0.6576 3.8779

Random effects:

Groups Name Variance Std.Dev.

WorkerID (Intercept) 198.9 14.10

item\_explicit (Intercept) 171.2 13.08

Residual 576.9 24.02

Number of obs: 10097, groups: WorkerID, 459; item\_explicit, 22

Fixed effects:

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

(Intercept) 14.6846 4.7292 48.0000 3.105 0.00319 \*\*

HF\_Neutral\_Explicitneutral 18.2960 5.9034 24.0000 3.099 0.00485 \*\*

BINDING 4.0772 0.7365 550.0000 5.536 4.8e-08 \*\*\*

HF\_Neutral\_Explicitneutral:BINDING -1.2167 0.4819 9616.0000 -2.525 0.01160 \*

---

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

Correlation of Fixed Effects:

(Intr) HF\_Nt\_E BINDIN

HF\_Ntrl\_Exp -0.567

BINDING -0.581 0.091

HF\_N\_E:BIND 0.173 -0.305 -0.297

> confint(model, "beta\_", level = 0.95, method = c("boot"), nsim = 500, boot.type = c("perc"), FUN=NULL, quiet=FALSE, oldNames = TRUE)

Computing bootstrap confidence intervals ...

2.5 % 97.5 %

(Intercept) 4.971963 23.9117450

HF\_Neutral\_Explicitneutral 7.892323 30.8103719

BINDING 2.700495 5.5439912

HF\_Neutral\_Explicitneutral:BINDING -2.222997 -0.3917482

Model 31 (Main Experiment): A linear mixed-effects model was computed in which binding values and verb type (harm/force (coded as 0) *versus* neutral filler (coded as 1)) were included as fixed predictors of judgments for deserving. Participant and verb were both included as random effects with random intercepts only.

Linear mixed model fit by REML t-tests use Satterthwaite approximations to degrees of

freedom [lmerMod]

Formula: desert ~ (HF\_Neutral\_Explicit \* BINDING) + (1 | item\_explicit) +

(1 | WorkerID)

Data: DatasetNEW

REML criterion at convergence: 92511.5

Scaled residuals:

Min 1Q Median 3Q Max

-4.8125 -0.6901 -0.0235 0.6785 4.3600

Random effects:

Groups Name Variance Std.Dev.

WorkerID (Intercept) 157.0 12.53

item\_explicit (Intercept) 153.4 12.39

Residual 503.5 22.44

Number of obs: 10097, groups: WorkerID, 459; item\_explicit, 22

Fixed effects:

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

(Intercept) 16.4776 4.3940 45.0000 3.750 0.000507 \*\*\*

HF\_Neutral\_Explicitneutral 47.3813 5.5814 24.0000 8.489 1.02e-08 \*\*\*

BINDING 3.8345 0.6609 559.0000 5.802 1.10e-08 \*\*\*

HF\_Neutral\_Explicitneutral:BINDING -3.2257 0.4502 9616.0000 -7.165 8.36e-13 \*\*\*

---

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

Correlation of Fixed Effects:

(Intr) HF\_Nt\_E BINDIN

HF\_Ntrl\_Exp -0.577

BINDING -0.562 0.093

HF\_N\_E:BIND 0.174 -0.301 -0.310

> confint(model, "beta\_", level = 0.95, method = c("boot"), nsim = 500, boot.type = c("perc"), FUN=NULL, quiet=FALSE, oldNames = TRUE)

Computing bootstrap confidence intervals ...

2.5 % 97.5 %

(Intercept) 7.382830 25.930582

HF\_Neutral\_Explicitneutral 35.693723 57.977667

BINDING 2.385777 5.105314

HF\_Neutral\_Explicitneutral:BINDING -4.037694 -2.341853

Model 32 (Main Experiment): For harm/force verbs only, a linear mixed-effects model was computed in which binding values was included as a fixed predictor of judgments for necessity. Participant and verb were both included as random effects with random intercepts only.

Linear mixed model fit by REML t-tests use Satterthwaite approximations to degrees of

freedom [lmerMod]

Formula: nec\_RC ~ (BINDING) + (1 | item\_explicit) + (1 | WorkerID)

Data: DatasetNEW

REML criterion at convergence: 49410.8

Scaled residuals:

Min 1Q Median 3Q Max

-4.1679 -0.6592 0.0221 0.6774 4.4827

Random effects:

Groups Name Variance Std.Dev.

WorkerID (Intercept) 344.9 18.57

item\_explicit (Intercept) 164.2 12.82

Residual 371.8 19.28

Number of obs: 5506, groups: WorkerID, 459; item\_explicit, 12

Fixed effects:

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

(Intercept) 68.7944 5.1004 38.6000 13.488 4.44e-16 \*\*\*

BINDING -3.3575 0.9085 456.9000 -3.696 0.000246 \*\*\*

---

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

Correlation of Fixed Effects:

(Intr)

BINDING -0.665

> confint(model, "beta\_", level = 0.95, method = c("boot"), nsim = 500, boot.type = c("perc"), FUN=NULL, quiet=FALSE, oldNames = TRUE)

Computing bootstrap confidence intervals ...

2.5 % 97.5 %

(Intercept) 59.063787 79.042078

BINDING -5.197327 -1.728314

Model 33 (Main Experiment): For harm/force verbs only, a linear mixed-effects model was computed in which binding values was included as a fixed predictor of judgments for sufficiency. Participant and verb were both included as random effects with random intercepts only.

Linear mixed model fit by REML t-tests use Satterthwaite approximations to degrees of

freedom [lmerMod]

Formula: suff ~ (BINDING) + (1 | item\_explicit) + (1 | WorkerID)

Data: DatasetNEW

REML criterion at convergence: 47626.6

Scaled residuals:

Min 1Q Median 3Q Max

-5.2915 -0.4038 0.0696 0.5398 4.0056

Random effects:

Groups Name Variance Std.Dev.

WorkerID (Intercept) 331.39 18.204

item\_explicit (Intercept) 14.02 3.744

Residual 262.87 16.213

Number of obs: 5508, groups: WorkerID, 459; item\_explicit, 12

Fixed effects:

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

(Intercept) 74.4527 3.5714 380.0000 20.847 <2e-16 \*\*\*

BINDING -1.7662 0.8808 457.0000 -2.005 0.0455 \*

---

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

Correlation of Fixed Effects:

(Intr)

BINDING -0.921

> confint(model, "beta\_", level = 0.95, method = c("boot"), nsim = 500, boot.type = c("perc"), FUN=NULL, quiet=FALSE, oldNames = TRUE)

Computing bootstrap confidence intervals ...

2.5 % 97.5 %

(Intercept) 67.679273 81.1716368

BINDING -3.524754 0.1265698

Model 34 (Main Experiment): For harm/force verbs only, a linear mixed-effects model was computed in which binding values was included as a fixed predictor of judgments for allowing. Participant and verb were both included as random effects with random intercepts only.

Linear mixed model fit by REML t-tests use Satterthwaite approximations to degrees of

freedom [lmerMod]

Formula: allow ~ (BINDING) + (1 | item\_explicit) + (1 | WorkerID)

Data: DatasetNEW

REML criterion at convergence: 50634.1

Scaled residuals:

Min 1Q Median 3Q Max

-3.1737 -0.6469 -0.1215 0.6178 4.0323

Random effects:

Groups Name Variance Std.Dev.

WorkerID (Intercept) 309.9 17.60

item\_explicit (Intercept) 258.5 16.08

Residual 475.9 21.81

Number of obs: 5507, groups: WorkerID, 459; item\_explicit, 12

Fixed effects:

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

(Intercept) 12.4656 5.7447 25.4000 2.170 0.0395 \*

BINDING 5.7105 0.8761 456.9000 6.518 1.89e-10 \*\*\*

---

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

Correlation of Fixed Effects:

(Intr)

BINDING -0.569

> confint(model, "beta\_", level = 0.95, method = c("boot"), nsim = 500, boot.type = c("perc"), FUN=NULL, quiet=FALSE, oldNames = TRUE)

Computing bootstrap confidence intervals ...

2.5 % 97.5 %

(Intercept) 1.938522 22.322986

BINDING 3.829560 7.479645

Model 35 (Main Experiment): For harm/force verbs only, a linear mixed-effects model was computed in which binding values was included as a fixed predictor of judgments for controlling. Participant and verb were both included as random effects with random intercepts only.

Linear mixed model fit by REML t-tests use Satterthwaite approximations to degrees of

freedom [lmerMod]

Formula: control ~ (BINDING) + (1 | item\_explicit) + (1 | WorkerID)

Data: DatasetNEW

REML criterion at convergence: 50006.5

Scaled residuals:

Min 1Q Median 3Q Max

-3.2907 -0.6331 -0.1281 0.5510 4.1067

Random effects:

Groups Name Variance Std.Dev.

WorkerID (Intercept) 256.7 16.02

item\_explicit (Intercept) 203.6 14.27

Residual 426.5 20.65

Number of obs: 5508, groups: WorkerID, 459; item\_explicit, 12

Fixed effects:

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

(Intercept) 14.6846 5.1528 26.5000 2.85 0.00836 \*\*

BINDING 4.0772 0.8011 457.0000 5.09 5.25e-07 \*\*\*

---

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

Correlation of Fixed Effects:

(Intr)

BINDING -0.580

> confint(model, "beta\_", level = 0.95, method = c("boot"), nsim = 500, boot.type = c("perc"), FUN=NULL, quiet=FALSE, oldNames = TRUE)

Computing bootstrap confidence intervals ...

2.5 % 97.5 %

(Intercept) 4.095692 24.329621

BINDING 2.547690 5.628088

Model 36 (Main Experiment): For harm/force verbs only, a linear mixed-effects model was computed in which binding values was included as a fixed predictor of judgments for deserving. Participant and verb were both included as random effects with random intercepts only.

Linear mixed model fit by REML t-tests use Satterthwaite approximations to degrees of

freedom [lmerMod]

Formula: desert ~ (BINDING) + (1 | item\_explicit) + (1 | WorkerID)

Data: DatasetNEW

REML criterion at convergence: 50054.9

Scaled residuals:

Min 1Q Median 3Q Max

-4.1113 -0.6565 -0.0965 0.5936 4.4921

Random effects:

Groups Name Variance Std.Dev.

WorkerID (Intercept) 308.0 17.55

item\_explicit (Intercept) 167.4 12.94

Residual 425.3 20.62

Number of obs: 5507, groups: WorkerID, 459; item\_explicit, 12

Fixed effects:

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

(Intercept) 16.4775 5.0216 35.0000 3.281 0.00235 \*\*

BINDING 3.8348 0.8684 457.0000 4.416 1.26e-05 \*\*\*

---

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

Correlation of Fixed Effects:

(Intr)

BINDING -0.646

> confint(model, "beta\_", level = 0.95, method = c("boot"), nsim = 500, boot.type = c("perc"), FUN=NULL, quiet=FALSE, oldNames = TRUE)

Computing bootstrap confidence intervals ...

2.5 % 97.5 %

(Intercept) 6.031011 27.040532

BINDING 2.154089 5.516733

Model 37 (Main Experiment): For neutral, filler verbs only, a linear mixed-effects model was computed in which binding values was included as a fixed predictor of judgments for necessity. Participant and verb were both included as random effects with random intercepts only.

Linear mixed model fit by REML t-tests use Satterthwaite approximations to degrees of

freedom [lmerMod]

Formula: nec\_RC ~ (BINDING) + (1 | item\_explicit) + (1 | WorkerID)

Data: DatasetNEW

REML criterion at convergence: 40173.3

Scaled residuals:

Min 1Q Median 3Q Max

-3.9173 -0.5890 -0.0434 0.4811 4.9832

Random effects:

Groups Name Variance Std.Dev.

WorkerID (Intercept) 257.15 16.036

item\_explicit (Intercept) 38.35 6.192

Residual 292.76 17.110

Number of obs: 4590, groups: WorkerID, 459; item\_explicit, 10

Fixed effects:

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

(Intercept) 34.9673 3.6370 93.0000 9.614 1.33e-15 \*\*\*

BINDING -0.4015 0.7931 457.0000 -0.506 0.613

---

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

Correlation of Fixed Effects:

(Intr)

BINDING -0.814

> confint(model, "beta\_", level = 0.95, method = c("boot"), nsim = 500, boot.type = c("perc"), FUN=NULL, quiet=FALSE, oldNames = TRUE)

Computing bootstrap confidence intervals ...

2.5 % 97.5 %

(Intercept) 28.054670 42.270390

BINDING -1.946828 1.237641

Model 38 (Main Experiment): For neutral, filler verbs only, a linear mixed-effects model was computed in which binding values was included as a fixed predictor of judgments for sufficiency. Participant and verb were both included as random effects with random intercepts only.

Linear mixed model fit by REML t-tests use Satterthwaite approximations to degrees of

freedom [lmerMod]

Formula: suff ~ (BINDING) + (1 | item\_explicit) + (1 | WorkerID)

Data: DatasetNEW

REML criterion at convergence: 40008.7

Scaled residuals:

Min 1Q Median 3Q Max

-5.4692 -0.4341 0.0788 0.5508 4.4942

Random effects:

Groups Name Variance Std.Dev.

WorkerID (Intercept) 300.674 17.340

item\_explicit (Intercept) 8.155 2.856

Residual 277.973 16.673

Number of obs: 4590, groups: WorkerID, 459; item\_explicit, 10

Fixed effects:

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

(Intercept) 71.1108 3.4041 395.9000 20.890 <2e-16 \*\*\*

BINDING -0.5820 0.8493 457.0000 -0.685 0.494

---

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

Correlation of Fixed Effects:

(Intr)

BINDING -0.932

> confint(model, "beta\_", level = 0.95, method = c("boot"), nsim = 500, boot.type = c("perc"), FUN=NULL, quiet=FALSE, oldNames = TRUE)

Computing bootstrap confidence intervals ...

2.5 % 97.5 %

(Intercept) 64.558816 77.652101

BINDING -2.371714 1.053884

Model 39 (Main Experiment): For neutral, filler verbs only, a linear mixed-effects model was computed in which binding values was included as a fixed predictor of judgments for allowing. Participant and verb were both included as random effects with random intercepts only.

Linear mixed model fit by REML t-tests use Satterthwaite approximations to degrees of

freedom [lmerMod]

Formula: allow ~ (BINDING) + (1 | item\_explicit) + (1 | WorkerID)

Data: DatasetNEW

REML criterion at convergence: 42915.7

Scaled residuals:

Min 1Q Median 3Q Max

-3.6916 -0.5712 0.1007 0.6628 3.0462

Random effects:

Groups Name Variance Std.Dev.

WorkerID (Intercept) 269.5 16.42

item\_explicit (Intercept) 155.2 12.46

Residual 559.7 23.66

Number of obs: 4590, groups: WorkerID, 459; item\_explicit, 10

Fixed effects:

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

(Intercept) 43.4178 5.1181 25.0000 8.483 7.91e-09 \*\*\*

BINDING 4.0026 0.8454 457.0000 4.734 2.93e-06 \*\*\*

---

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

Correlation of Fixed Effects:

(Intr)

BINDING -0.617

> confint(model, "beta\_", level = 0.95, method = c("boot"), nsim = 500, boot.type = c("perc"), FUN=NULL, quiet=FALSE, oldNames = TRUE)

Computing bootstrap confidence intervals ...

2.5 % 97.5 %

(Intercept) 32.889265 53.748034

BINDING 2.310029 5.625983

Model 40 (Main Experiment): For neutral, filler verbs only, a linear mixed-effects model was computed in which binding values was included as a fixed predictor of judgments for controlling. Participant and verb were both included as random effects with random intercepts only.

Linear mixed model fit by REML t-tests use Satterthwaite approximations to degrees of

freedom [lmerMod]

Formula: control ~ (BINDING) + (1 | item\_explicit) + (1 | WorkerID)

Data: DatasetNEW

REML criterion at convergence: 43428.9

Scaled residuals:

Min 1Q Median 3Q Max

-3.3428 -0.7040 -0.0252 0.6609 3.5460

Random effects:

Groups Name Variance Std.Dev.

WorkerID (Intercept) 248.7 15.77

item\_explicit (Intercept) 131.7 11.48

Residual 638.5 25.27

Number of obs: 4589, groups: WorkerID, 459; item\_explicit, 10

Fixed effects:

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

(Intercept) 32.9868 4.8399 27.5000 6.816 2.29e-07 \*\*\*

BINDING 2.8580 0.8285 457.0000 3.450 0.000614 \*\*\*

---

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

Correlation of Fixed Effects:

(Intr)

BINDING -0.639

> confint(model, "beta\_", level = 0.95, method = c("boot"), nsim = 500, boot.type = c("perc"), FUN=NULL, quiet=FALSE, oldNames = TRUE)

Computing bootstrap confidence intervals ...

2.5 % 97.5 %

(Intercept) 24.319880 42.336707

BINDING 1.251083 4.465663

Model 41 (Main Experiment): For neutral, filler only, a linear mixed-effects model was computed in which binding values was included as fixed predictors of judgments for deserving. Participant and verb were both included as random effects with random intercepts only.

Linear mixed model fit by REML t-tests use Satterthwaite approximations to degrees of

freedom [lmerMod]

Formula: desert ~ (BINDING) + (1 | item\_explicit) + (1 | WorkerID)

Data: DatasetNEW

REML criterion at convergence: 41206.9

Scaled residuals:

Min 1Q Median 3Q Max

-5.0201 -0.5180 0.0989 0.6247 3.9185

Random effects:

Groups Name Variance Std.Dev.

WorkerID (Intercept) 188.4 13.73

item\_explicit (Intercept) 136.7 11.69

Residual 385.0 19.62

Number of obs: 4590, groups: WorkerID, 459; item\_explicit, 10

Fixed effects:

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

(Intercept) 63.8589 4.5945 21.1000 13.899 4.36e-12 \*\*\*

BINDING 0.6088 0.7059 457.0000 0.863 0.389

---

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

Correlation of Fixed Effects:

(Intr)

BINDING -0.574

> confint(model, "beta\_", level = 0.95, method = c("boot"), nsim = 500, boot.type = c("perc"), FUN=NULL, quiet=FALSE, oldNames = TRUE)

Computing bootstrap confidence intervals ...

2.5 % 97.5 %

(Intercept) 55.739041 72.53112

BINDING -0.828133 1.97811

Model 42 (Main Experiment): A linear mixed-effects model was computed in which individualizing values and verb type (harm/force (coded as 0) *versus* neutral filler (coded as 1)) were included as fixed predictors of judgments for necessity. Participant and verb were both included as random effects with random intercepts only.

Linear mixed model fit by REML t-tests use Satterthwaite approximations to degrees of

freedom [lmerMod]

Formula: nec\_RC ~ (INDIVIDUALIZING \* HF\_Neutral\_Explicit) + (1 | item\_explicit) +

(1 | WorkerID)

Data: DatasetNEW

REML criterion at convergence: 90500

Scaled residuals:

Min 1Q Median 3Q Max

-4.3029 -0.6920 -0.0059 0.6514 4.2766

Random effects:

Groups Name Variance Std.Dev.

WorkerID (Intercept) 244.3 15.63

item\_explicit (Intercept) 107.4 10.37

Residual 401.9 20.05

Number of obs: 10096, groups: WorkerID, 459; item\_explicit, 22

Fixed effects:

Estimate Std. Error df t value

(Intercept) 55.2884 6.2599 262.0000 8.832

INDIVIDUALIZING 0.2038 1.1437 511.0000 0.178

HF\_Neutral\_Explicitneutral -12.5398 5.2648 39.0000 -2.382

INDIVIDUALIZING:HF\_Neutral\_Explicitneutral -2.1539 0.5890 9615.0000 -3.657

Pr(>|t|)

(Intercept) < 2e-16 \*\*\*

INDIVIDUALIZING 0.858625

HF\_Neutral\_Explicitneutral 0.022209 \*

INDIVIDUALIZING:HF\_Neutral\_Explicitneutral 0.000257 \*\*\*

---

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

Correlation of Fixed Effects:

(Intr) INDIVIDUALIZING HF\_N\_E

INDIVIDUALIZING -0.870

HF\_Ntrl\_Exp -0.382 0.125

INDIVIDUALIZING: 0.204 -0.234 -0.532

> confint(model, "beta\_", level = 0.95, method = c("boot"), nsim = 500, boot.type = c("perc"), FUN=NULL, quiet=FALSE, oldNames = TRUE)

Computing bootstrap confidence intervals ...

2.5 % 97.5 %

(Intercept) 42.148723 68.0794683

INDIVIDUALIZING -1.930725 2.3850344

HF\_Neutral\_Explicitneutral -23.060162 -2.0366286

INDIVIDUALIZING:HF\_Neutral\_Explicitneutral -3.299765 -0.9626348

Model 43 (Main Experiment): A linear mixed-effects model was computed in which individualizing values and verb type (harm/force (coded as 0) *versus* neutral filler (coded as 1)) were included as fixed predictors of judgments for sufficiency. Participant and verb were both included as random effects with random intercepts only.

Linear mixed model fit by REML t-tests use Satterthwaite approximations to degrees of freedom [

lmerMod]

Formula: suff ~ (INDIVIDUALIZING \* HF\_Neutral\_Explicit) + (1 | item\_explicit) + (1 | WorkerID)

Data: DatasetNEW

REML criterion at convergence: 87741.5

Scaled residuals:

Min 1Q Median 3Q Max

-5.6237 -0.4342 0.0742 0.5766 4.7886

Random effects:

Groups Name Variance Std.Dev.

WorkerID (Intercept) 279.29 16.712

item\_explicit (Intercept) 11.31 3.363

Residual 300.92 17.347

Number of obs: 10098, groups: WorkerID, 459; item\_explicit, 22

Fixed effects:

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

(Intercept) 45.7887 5.8368 510.0000 7.845 2.55e-14 \*\*\*

INDIVIDUALIZING 4.6373 1.1972 493.0000 3.873 0.000122 \*\*\*

HF\_Neutral\_Explicitneutral 4.3490 2.8422 267.0000 1.530 0.127156

INDIVIDUALIZING:HF\_Neutral\_Explicitneutral -0.6869 0.5097 9617.0000 -1.348 0.177784

---

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

Correlation of Fixed Effects:

(Intr) INDIVIDUALIZING HF\_N\_E

INDIVIDUALIZING -0.976

HF\_Ntrl\_Exp -0.221 0.165

INDIVIDUALIZING: 0.189 -0.194 -0.853

> confint(model, "beta\_", level = 0.95, method = c("boot"), nsim = 500, boot.type = c("perc"), FUN=NULL, quiet=FALSE, oldNames = TRUE)

Computing bootstrap confidence intervals ...

2.5 % 97.5 %

(Intercept) 34.501009 55.8994980

INDIVIDUALIZING 2.564337 7.0232299

HF\_Neutral\_Explicitneutral -1.201325 9.9077218

INDIVIDUALIZING:HF\_Neutral\_Explicitneutral -1.738402 0.2875803

Model 44 (Main Experiment): A linear mixed-effects model was computed in which individualizing values and verb type (harm/force (coded as 0) *versus* neutral filler (coded as 1)) were included as fixed predictors of judgments for allowing. Participant and verb were both included as random effects with random intercepts only.

Linear mixed model fit by REML t-tests use Satterthwaite approximations to degrees of freedom [

lmerMod]

Formula: allow ~ (INDIVIDUALIZING \* HF\_Neutral\_Explicit) + (1 | item\_explicit) +

(1 | WorkerID)

Data: DatasetNEW

REML criterion at convergence: 94117.4

Scaled residuals:

Min 1Q Median 3Q Max

-3.9054 -0.7042 -0.0169 0.7221 3.9298

Random effects:

Groups Name Variance Std.Dev.

WorkerID (Intercept) 245.5 15.67

item\_explicit (Intercept) 211.9 14.56

Residual 583.1 24.15

Number of obs: 10097, groups: WorkerID, 459; item\_explicit, 22

Fixed effects:

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

(Intercept) 46.3868 7.0474 139.0000 6.582 8.71e-10 \*\*\*

INDIVIDUALIZING -2.6474 1.1769 534.0000 -2.249 0.024888 \*

HF\_Neutral\_Explicitneutral 11.9049 7.1046 33.0000 1.676 0.103148

INDIVIDUALIZING:HF\_Neutral\_Explicitneutral 2.6624 0.7095 9616.0000 3.752 0.000176 \*\*\*

---

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

Correlation of Fixed Effects:

(Intr) INDIVIDUALIZING HF\_N\_E

INDIVIDUALIZING -0.795

HF\_Ntrl\_Exp -0.458 0.130

INDIVIDUALIZING: 0.218 -0.274 -0.475

> confint(model, "beta\_", level = 0.95, method = c("boot"), nsim = 500, boot.type = c("perc"), FUN=NULL, quiet=FALSE, oldNames = TRUE)

Computing bootstrap confidence intervals ...

2.5 % 97.5 %

(Intercept) 31.027624 58.6135512

INDIVIDUALIZING -4.714221 -0.3977413

HF\_Neutral\_Explicitneutral -3.004369 26.2689047

INDIVIDUALIZING:HF\_Neutral\_Explicitneutral 1.419659 3.8912931

Model 45 (Main Experiment): A linear mixed-effects model was computed in which individualizing values and verb type (harm/force (coded as 0) *versus* neutral filler (coded as 1)) were included as fixed predictors of judgments for controlling. Participant and verb were both included as random effects with random intercepts only.

Linear mixed model fit by REML t-tests use Satterthwaite approximations to degrees of freedom [

lmerMod]

Formula: control ~ (INDIVIDUALIZING \* HF\_Neutral\_Explicit) + (1 | item\_explicit) +

(1 | WorkerID)

Data: DatasetNEW

REML criterion at convergence: 93937.5

Scaled residuals:

Min 1Q Median 3Q Max

-3.2482 -0.6875 -0.1012 0.6583 3.8438

Random effects:

Groups Name Variance Std.Dev.

WorkerID (Intercept) 206.3 14.36

item\_explicit (Intercept) 171.2 13.08

Residual 576.8 24.02

Number of obs: 10097, groups: WorkerID, 459; item\_explicit, 22

Fixed effects:

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

(Intercept) 49.6081 6.4771 150.0000 7.659 2.14e-12 \*\*\*

INDIVIDUALIZING -4.1394 1.0945 547.0000 -3.782 0.000173 \*\*\*

HF\_Neutral\_Explicitneutral 4.6768 6.5492 37.0000 0.714 0.479669

INDIVIDUALIZING:HF\_Neutral\_Explicitneutral 1.9072 0.7057 9616.0000 2.702 0.006895 \*\*

---

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

Correlation of Fixed Effects:

(Intr) INDIVIDUALIZING HF\_N\_E

INDIVIDUALIZING -0.804

HF\_Ntrl\_Exp -0.460 0.150

INDIVIDUALIZING: 0.236 -0.293 -0.513

> confint(model, "beta\_", level = 0.95, method = c("boot"), nsim = 500, boot.type = c("perc"), FUN=NULL, quiet=FALSE, oldNames = TRUE)

Computing bootstrap confidence intervals ...

2.5 % 97.5 %

(Intercept) 37.659700 61.915421

INDIVIDUALIZING -6.205809 -2.090020

HF\_Neutral\_Explicitneutral -8.508191 17.996255

INDIVIDUALIZING:HF\_Neutral\_Explicitneutral 0.560847 3.186558

Model 46 (Main Experiment): A linear mixed-effects model was computed in which individualizing values and verb type (harm/force (coded as 0) *versus* neutral filler (coded as 1)) were included as fixed predictors of judgments for deserving. Participant and verb were both included as random effects with random intercepts only.

Linear mixed model fit by REML t-tests use Satterthwaite approximations to degrees of freedom [

lmerMod]

Formula: desert ~ (INDIVIDUALIZING \* HF\_Neutral\_Explicit) + (1 | item\_explicit) +

(1 | WorkerID)

Data: DatasetNEW

REML criterion at convergence: 92471.9

Scaled residuals:

Min 1Q Median 3Q Max

-4.6869 -0.6928 -0.0259 0.6836 4.2610

Random effects:

Groups Name Variance Std.Dev.

WorkerID (Intercept) 162.1 12.73

item\_explicit (Intercept) 153.4 12.39

Residual 500.8 22.38

Number of obs: 10097, groups: WorkerID, 459; item\_explicit, 22

Fixed effects:

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

(Intercept) 50.5826 5.9132 133.0000 8.554 2.49e-14 \*\*\*

INDIVIDUALIZING -4.1577 0.9797 555.0000 -4.244 2.57e-05 \*\*\*

HF\_Neutral\_Explicitneutral 3.6765 6.1741 36.0000 0.595 0.555

INDIVIDUALIZING:HF\_Neutral\_Explicitneutral 6.6526 0.6576 9616.0000 10.117 < 2e-16 \*\*\*

---

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

Correlation of Fixed Effects:

(Intr) INDIVIDUALIZING HF\_N\_E

INDIVIDUALIZING -0.788

HF\_Ntrl\_Exp -0.475 0.155

INDIVIDUALIZING: 0.241 -0.305 -0.507

> confint(model, "beta\_", level = 0.95, method = c("boot"), nsim = 500, boot.type = c("perc"), FUN=NULL, quiet=FALSE, oldNames = TRUE)

Computing bootstrap confidence intervals ...

2.5 % 97.5 %

(Intercept) 38.901400 63.506226

INDIVIDUALIZING -6.106644 -2.271745

HF\_Neutral\_Explicitneutral -9.497265 15.342448

INDIVIDUALIZING:HF\_Neutral\_Explicitneutral 5.385191 7.886082

Model 47 (Main Experiment): For harm/force verbs only, a linear mixed-effects model was computed in which individualizing values was included as a fixed predictor of judgments for necessity. Participant and verb were both included as random effects with random intercepts only.

Linear mixed model fit by REML t-tests use Satterthwaite approximations to degrees of freedom [

lmerMod]

Formula: nec\_RC ~ (INDIVIDUALIZING) + (1 | item\_explicit) + (1 | WorkerID)

Data: DatasetNEW

REML criterion at convergence: 49423.4

Scaled residuals:

Min 1Q Median 3Q Max

-4.1745 -0.6564 0.0241 0.6751 4.4658

Random effects:

Groups Name Variance Std.Dev.

WorkerID (Intercept) 356.1 18.87

item\_explicit (Intercept) 164.2 12.82

Residual 371.8 19.28

Number of obs: 5506, groups: WorkerID, 459; item\_explicit, 12

Fixed effects:

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

(Intercept) 55.2880 7.4710 147.8000 7.400 9.48e-12 \*\*\*

INDIVIDUALIZING 0.2038 1.3501 456.9000 0.151 0.88

---

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

Correlation of Fixed Effects:

(Intr)

INDIVIDUALI -0.860

> confint(model, "beta\_", level = 0.95, method = c("boot"), nsim = 500, boot.type = c("perc"), FUN=NULL, quiet=FALSE, oldNames = TRUE)

Computing bootstrap confidence intervals ...

2.5 % 97.5 %

(Intercept) 40.610689 69.198417

INDIVIDUALIZING -2.353473 2.781237

Model 48 (Main Experiment): For harm/force verbs only, a linear mixed-effects model was computed in which individualizing values was included as a fixed predictor of judgments for sufficiency. Participant and verb were both included as random effects with random intercepts only.

Linear mixed model fit by REML t-tests use Satterthwaite approximations to degrees of freedom [

lmerMod]

Formula: suff ~ (INDIVIDUALIZING) + (1 | item\_explicit) + (1 | WorkerID)

Data: DatasetNEW

REML criterion at convergence: 47616.8

Scaled residuals:

Min 1Q Median 3Q Max

-5.2967 -0.4053 0.0724 0.5386 4.0181

Random effects:

Groups Name Variance Std.Dev.

WorkerID (Intercept) 324.51 18.014

item\_explicit (Intercept) 14.02 3.744

Residual 262.87 16.213

Number of obs: 5508, groups: WorkerID, 459; item\_explicit, 12

Fixed effects:

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

(Intercept) 45.789 6.235 465.600 7.344 9.32e-13 \*\*\*

INDIVIDUALIZING 4.637 1.277 457.000 3.631 0.000315 \*\*\*

---

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

Correlation of Fixed Effects:

(Intr)

INDIVIDUALI -0.975

> confint(model, "beta\_", level = 0.95, method = c("boot"), nsim = 500, boot.type = c("perc"), FUN=NULL, quiet=FALSE, oldNames = TRUE)

Computing bootstrap confidence intervals ...

2.5 % 97.5 %

(Intercept) 33.830849 58.355844

INDIVIDUALIZING 1.969825 7.057634

Model 49 (Main Experiment): For harm/force verbs only, a linear mixed-effects model was computed in which individualizing values was included as a fixed predictor of judgments for allowing. Participant and verb were both included as random effects with random intercepts only.

Linear mixed model fit by REML t-tests use Satterthwaite approximations to degrees of freedom [

lmerMod]

Formula: allow ~ (INDIVIDUALIZING) + (1 | item\_explicit) + (1 | WorkerID)

Data: DatasetNEW

REML criterion at convergence: 50670.1

Scaled residuals:

Min 1Q Median 3Q Max

-3.1546 -0.6473 -0.1206 0.6084 4.0745

Random effects:

Groups Name Variance Std.Dev.

WorkerID (Intercept) 339.1 18.42

item\_explicit (Intercept) 258.5 16.08

Residual 475.9 21.81

Number of obs: 5507, groups: WorkerID, 459; item\_explicit, 12

Fixed effects:

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

(Intercept) 46.390 7.922 85.200 5.855 8.66e-08 \*\*\*

INDIVIDUALIZING -2.648 1.336 457.000 -1.983 0.048 \*

---

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

Correlation of Fixed Effects:

(Intr)

INDIVIDUALI -0.802

> confint(model, "beta\_", level = 0.95, method = c("boot"), nsim = 500, boot.type = c("perc"), FUN=NULL, quiet=FALSE, oldNames = TRUE)

Computing bootstrap confidence intervals ...

2.5 % 97.5 %

(Intercept) 30.782791 62.2066573

INDIVIDUALIZING -5.244829 -0.1590887

Model 50 (Main Experiment): For harm/force verbs only, a linear mixed-effects model was computed in which individualizing values was included as a fixed predictor of judgments for controlling. Participant and verb were both included as random effects with random intercepts only.

Linear mixed model fit by REML t-tests use Satterthwaite approximations to degrees of freedom [

lmerMod]

Formula: control ~ (INDIVIDUALIZING) + (1 | item\_explicit) + (1 | WorkerID)

Data: DatasetNEW

REML criterion at convergence: 50019

Scaled residuals:

Min 1Q Median 3Q Max

-3.3353 -0.6335 -0.1269 0.5463 4.1194

Random effects:

Groups Name Variance Std.Dev.

WorkerID (Intercept) 265.3 16.29

item\_explicit (Intercept) 203.6 14.27

Residual 426.5 20.65

Number of obs: 5508, groups: WorkerID, 459; item\_explicit, 12

Fixed effects:

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

(Intercept) 49.608 7.050 85.900 7.036 4.51e-10 \*\*\*

INDIVIDUALIZING -4.139 1.190 457.000 -3.478 0.000554 \*\*\*

---

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

Correlation of Fixed Effects:

(Intr)

INDIVIDUALI -0.803

> confint(model, "beta\_", level = 0.95, method = c("boot"), nsim = 500, boot.type = c("perc"), FUN=NULL, quiet=FALSE, oldNames = TRUE)

Computing bootstrap confidence intervals ...

2.5 % 97.5 %

(Intercept) 36.939443 62.384724

INDIVIDUALIZING -6.118368 -1.566674

Model 51 (Main Experiment): For harm/force verbs only, a linear mixed-effects model was computed in which individualizing values was included as a fixed predictor of judgments for deserving. Participant and verb were both included as random effects with random intercepts only.

Linear mixed model fit by REML t-tests use Satterthwaite approximations to degrees of freedom [

lmerMod]

Formula: desert ~ (INDIVIDUALIZING) + (1 | item\_explicit) + (1 | WorkerID)

Data: DatasetNEW

REML criterion at convergence: 50062.9

Scaled residuals:

Min 1Q Median 3Q Max

-4.1134 -0.6563 -0.0907 0.5925 4.5308

Random effects:

Groups Name Variance Std.Dev.

WorkerID (Intercept) 314.6 17.74

item\_explicit (Intercept) 167.4 12.94

Residual 425.3 20.62

Number of obs: 5507, groups: WorkerID, 459; item\_explicit, 12

Fixed effects:

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

(Intercept) 50.587 7.215 128.600 7.012 1.19e-10 \*\*\*

INDIVIDUALIZING -4.158 1.284 457.000 -3.239 0.00129 \*\*

---

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

Correlation of Fixed Effects:

(Intr)

INDIVIDUALI -0.847

> confint(model, "beta\_", level = 0.95, method = c("boot"), nsim = 500, boot.type = c("perc"), FUN=NULL, quiet=FALSE, oldNames = TRUE)

Computing bootstrap confidence intervals ...

2.5 % 97.5 %

(Intercept) 34.032672 66.949175

INDIVIDUALIZING -6.795306 -1.424365

Model 52 (Main Experiment): For neutral, filler verbs only, a linear mixed-effects model was computed in which individualizing values was included as a fixed predictor of judgments for necessity. Participant and verb were both included as random effects with random intercepts only.

Linear mixed model fit by REML t-tests use Satterthwaite approximations to degrees of freedom [

lmerMod]

Formula: nec\_RC ~ (INDIVIDUALIZING) + (1 | item\_explicit) + (1 | WorkerID)

Data: DatasetNEW

REML criterion at convergence: 40169.9

Scaled residuals:

Min 1Q Median 3Q Max

-3.9210 -0.5896 -0.0448 0.4807 4.9932

Random effects:

Groups Name Variance Std.Dev.

WorkerID (Intercept) 255.54 15.986

item\_explicit (Intercept) 38.35 6.192

Residual 292.76 17.110

Number of obs: 4590, groups: WorkerID, 459; item\_explicit, 10

Fixed effects:

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

(Intercept) 42.749 5.902 320.000 7.243 3.29e-12 \*\*\*

INDIVIDUALIZING -1.950 1.158 457.000 -1.684 0.0929 .

---

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

Correlation of Fixed Effects:

(Intr)

INDIVIDUALI -0.934

> confint(model, "beta\_", level = 0.95, method = c("boot"), nsim = 500, boot.type = c("perc"), FUN=NULL, quiet=FALSE, oldNames = TRUE)

Computing bootstrap confidence intervals ...

2.5 % 97.5 %

(Intercept) 30.61910 55.0180110

INDIVIDUALIZING -4.42453 0.3584779

Model 53 (Main Experiment): For neutral, filler verbs only, a linear mixed-effects model was computed in which individualizing values was included as a fixed predictor of judgments for sufficiency. Participant and verb were both included as random effects with random intercepts only.

Linear mixed model fit by REML t-tests use Satterthwaite approximations to degrees of freedom [

lmerMod]

Formula: suff ~ (INDIVIDUALIZING) + (1 | item\_explicit) + (1 | WorkerID)

Data: DatasetNEW

REML criterion at convergence: 39998.2

Scaled residuals:

Min 1Q Median 3Q Max

-5.4757 -0.4315 0.0776 0.5497 4.4883

Random effects:

Groups Name Variance Std.Dev.

WorkerID (Intercept) 293.761 17.139

item\_explicit (Intercept) 8.155 2.856

Residual 277.973 16.673

Number of obs: 4590, groups: WorkerID, 459; item\_explicit, 10

Fixed effects:

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

(Intercept) 50.138 5.984 463.800 8.378 6.66e-16 \*\*\*

INDIVIDUALIZING 3.950 1.231 457.000 3.210 0.00142 \*\*

---

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

Correlation of Fixed Effects:

(Intr)

INDIVIDUALI -0.979

> confint(model, "beta\_", level = 0.95, method = c("boot"), nsim = 500, boot.type = c("perc"), FUN=NULL, quiet=FALSE, oldNames = TRUE)

Computing bootstrap confidence intervals ...

2.5 % 97.5 %

(Intercept) 38.815787 62.008955

INDIVIDUALIZING 1.506901 6.270617

Model 54 (Main Experiment For neutral, filler verbs only, a linear mixed-effects model was computed in which individualizing values was included as a fixed predictor of judgments for allowing. Participant and verb were both included as random effects with random intercepts only.

Linear mixed model fit by REML t-tests use Satterthwaite approximations to degrees of freedom [

lmerMod]

Formula: allow ~ (INDIVIDUALIZING) + (1 | item\_explicit) + (1 | WorkerID)

Data: DatasetNEW

REML criterion at convergence: 42936.8

Scaled residuals:

Min 1Q Median 3Q Max

-3.6736 -0.5714 0.0995 0.6544 3.0800

Random effects:

Groups Name Variance Std.Dev.

WorkerID (Intercept) 285.5 16.90

item\_explicit (Intercept) 155.2 12.46

Residual 559.7 23.66

Number of obs: 4590, groups: WorkerID, 459; item\_explicit, 10

Fixed effects:

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

(Intercept) 58.29176 7.25815 91.90000 8.031 3.13e-12 \*\*\*

INDIVIDUALIZING 0.01501 1.26801 457.00000 0.012 0.991

---

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

Correlation of Fixed Effects:

(Intr)

INDIVIDUALI -0.831

> confint(model, "beta\_", level = 0.95, method = c("boot"), nsim = 500, boot.type = c("perc"), FUN=NULL, quiet=FALSE, oldNames = TRUE)

Computing bootstrap confidence intervals ...

2.5 % 97.5 %

(Intercept) 45.841348 73.05852

INDIVIDUALIZING -2.508187 2.24579

Model 55 (Main Experiment): For neutral, filler verbs only, a linear mixed-effects model was computed in which individualizing values was included as a fixed predictor of judgments for controlling. Participant and verb were both included as random effects with random intercepts only.

Linear mixed model fit by REML t-tests use Satterthwaite approximations to degrees of freedom [

lmerMod]

Formula: control ~ (INDIVIDUALIZING) + (1 | item\_explicit) + (1 | WorkerID)

Data: DatasetNEW

REML criterion at convergence: 43436.6

Scaled residuals:

Min 1Q Median 3Q Max

-3.3175 -0.6970 -0.0288 0.6593 3.6067

Random effects:

Groups Name Variance Std.Dev.

WorkerID (Intercept) 254.5 15.95

item\_explicit (Intercept) 131.7 11.48

Residual 638.5 25.27

Number of obs: 4589, groups: WorkerID, 459; item\_explicit, 10

Fixed effects:

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

(Intercept) 54.298 6.916 102.500 7.851 4.18e-12 \*\*\*

INDIVIDUALIZING -2.236 1.224 457.000 -1.826 0.0685 .

---

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

Correlation of Fixed Effects:

(Intr)

INDIVIDUALI -0.843

> confint(model, "beta\_", level = 0.95, method = c("boot"), nsim = 500, boot.type = c("perc"), FUN=NULL, quiet=FALSE, oldNames = TRUE)

Computing bootstrap confidence intervals ...

2.5 % 97.5 %

(Intercept) 39.813454 69.1362566

INDIVIDUALIZING -4.832923 0.2210211

Model 56 (Main Experiment): For neutral, filler verbs only, a linear mixed-effects model was computed in which individualizing values was included as a fixed predictor of judgments for deserving. Participant and verb were both included as random effects with random intercepts only.

Linear mixed model fit by REML t-tests use Satterthwaite approximations to degrees of freedom [

lmerMod]

Formula: desert ~ (INDIVIDUALIZING) + (1 | item\_explicit) + (1 | WorkerID)

Data: DatasetNEW

REML criterion at convergence: 41201

Scaled residuals:

Min 1Q Median 3Q Max

-5.0076 -0.5190 0.0996 0.6255 3.9195

Random effects:

Groups Name Variance Std.Dev.

WorkerID (Intercept) 185.9 13.63

item\_explicit (Intercept) 136.7 11.69

Residual 385.0 19.62

Number of obs: 4590, groups: WorkerID, 459; item\_explicit, 10

Fixed effects:

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

(Intercept) 54.259 6.172 65.000 8.792 1.15e-12 \*\*\*

INDIVIDUALIZING 2.495 1.028 457.000 2.427 0.0156 \*

---

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

Correlation of Fixed Effects:

(Intr)

INDIVIDUALI -0.793

> confint(model, "beta\_", level = 0.95, method = c("boot"), nsim = 500, boot.type = c("perc"), FUN=NULL, quiet=FALSE, oldNames = TRUE)

Computing bootstrap confidence intervals ...

2.5 % 97.5 %

(Intercept) 41.5015935 66.193041

INDIVIDUALIZING 0.5796808 4.700581