APPENDIX 1. DETAILS OF THE STATISTICAL ANALYSIS

TABLE A1: Real words.

Generalized linear mixed model fit by maximum likelihood (Laplace Approximation) ['glmerMod']
Family: binomial (logit)
Formula: Accuracy ~ Family + Gendertarget + Family:Gendertarget + Age:Gendertarget + Gendertarget:Age:Family + (1 | Code) + (1 | Stimulus)

Fixed effects	Estimate (SE)
Intercept	20.05(32.80)
FamilyDR	-20.68(32.95)
FamilyRR	-19.46(32.81)
Gendertargetm	-21.38(32.79)
Gendertargetn	-21.83(32.79)
FamilyDR: Gendertargetm	18.25(32.94)
FamilyRR: Gendertargetm	18.97(32.8)
FamilyDR: Gendertargetn	20.29(32.94)
FamilyRR: Gendertargetn	19.10(32.80)
Gendertargetf:Age	-0.03(61.19)
Gendertargetm:Age	**0.75(0.34)***
Gendertargetn:Age	**0.84(0.35)***
FamilyDR: Gendertargetf:Age	1.12(61.2)
FamilyRR: Gendertargetf:Age	0.53(61.19)
FamilyDR: Gendertargetm:Age	-0.10(0.39)
FamilyRR: Gendertargetm:Age	-0.48(0.37)
FamilyDR: Gendertargetn:Age	-0.37(0.4)
FamilyRR: Gendertargetn:Age	-0.51(0.38)

Signif.codes: 0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

TABLE A2: Real words. Post-hoc pairwise comparisons of groups within conditions

Condition	Contrast	Estimate (SE)	p-value
Gendertarget=f	DD - DR	13.87(1619.1)	1.00
	DD - RR	16.09(1619.1)	0.99
	DR - RR	2.22(2.22)	0.57
Gendertarget=m	**DD - DR**	**3.05(0.74)**	**0.0001*** **
	DD - RR	**3.31(0.69)**	**<0.0001*** **
	DR - RR	0.26(0.46)	0.84
Gendertarget=n	**DD - DR**	**2.55(0.77)**	**0.003** **
	DD - RR	**3.36(0.73)**	**<0.0001*** **
	DR - RR	0.81(0.46)	0.18

P-value adjustment: tukey method for comparing a family of 3 estimates

TABLE B1: Nonce words.

Generalized linear mixed model fit by maximum likelihood (Laplace Approximation) ['glmerMod']
Family: binomial (logit)
Formula: Accuracy ~ Family + Gendertarget + Age + Family:Gendertarget + Age:Gendertarget + Gendertarget:Age:Family + (1 | Code) + (1 | Stimulus)

Fixed effects	Estimate (SE)
Intercept	**2.28(0.74)****
FamilyDR	-1.09(1.05)
FamilyRR	**-2.60(0.95)****
Gendertargetm	**-2.75(1.03)****
Gendertargetn	**-5.11(1.57)****
Age	**-0.46(0.15)****
FamilyDR: Gendertargetm	0.90(1.39)
FamilyRR: Gendertargetm	1.86(1.25)
FamilyDR: Gendertargetn	**3.93(1.79)***
FamilyRR: Gendertargetn	**6.19(1.72)*****
Gendertargetm:Age	0.19(0.21)
Gendertargetn:Age	**1.64(0.38)*****
FamilyDR: Gendertargetf:Age	**0.53(0.18)****
FamilyRR: Gendertargetf:Age	**0.66(0.17)*****
FamilyDR: Gendertargetm:Age	0.19(0.21)
FamilyRR: Gendertargetm:Age	0.30(0.2)
FamilyDR: Gendertargetn:Age	-1.12(0.37)**
FamilyRR: Gendertargetn:Age	-1.19(0.37)**

Signif.codes: 0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 " 1

TABLE B2: Nonce words. Post-hoc pairwise comparisons of groups within conditions

Condition	Contrast	Estimate (SE)	p-value
Gendertarget=f	**DD - DR**	**-2.0(0.37)**	**<0.0001*** **
	DD - RR	**-1.28(0.3)**	**<0.0001*** **
	DR - RR	0.73(0.33)	0.068
Gendertarget=m	DD - DR	-0.93(0.48)	0.07
	DD - RR	**-1.04(0.37)**	**0.01***
	DR - RR	-0.1(0.31)	0.94
Gendertarget=n	**DD - DR**	**3.76(0.78)**	**<0.0001*** **
	DD - RR	**3.41(0.76)**	**<0.0001*** **
	DR - RR	-0.35(0.29)	0.45

P-value adjustment: tukey method for comparing a family of 3 estimates

TABLE B3: Nonce words - defaulters excluded

Generalized linear mixed model fit by maximum likelihood (Laplace Approximation) ['glmerMod']
Family: binomial (logit)
Formula: Accuracy ~ Family + Gendertarget + Age + Family:Gendertarget + Age:Gendertarget + Gendertarget:Age:Family + (1 | Code) + (1 | Stimulus)

Fixed effects	Estimate (SE)
Intercept	**3.11(1.17)****
FamilyDR	-1.12(1.85)
FamilyRR	-1.18(2.01)
Gendertargetm	**-4.51(1.41)****
Gendertargetn	**-4.80(1.66)****
Age	-0.41(0.23).
FamilyDR: Gendertargetm	2.66(2.11)
FamilyRR: Gendertargetm	2.03(2.22)
FamilyDR: Gendertargetn	4.17(2.32).
FamilyRR: Gendertargetn	3.69(2.37)
Gendertargetm:Age	0.44(0.29)
Gendertargetn:Age	**1.19(0.38)****
FamilyDR: Gendertargetf:Age	0.62(0.34).
FamilyRR: Gendertargetf:Age	0.65(0.36).
FamilyDR: Gendertargetm:Age	-0.15(0.26)
FamilyRR: Gendertargetm:Age	0.06(0.26)
FamilyDR: Gendertargetn:Age	**-0.74(0.37)***
FamilyRR: Gendertargetn:Age	**-0.81(0.35)***

Signif.codes: 0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

TABLE B4: Nonce words – defaulters excluded. Post-hoc pairwise comparisons

Condition	Contrast	Estimate (SE)	p-value
Gendertarget=f	**DD - DR**	**-2.56(0.67)**	**0.0004*****
	DD - RR	**-2.64(0.59)**	**<0.0001*****
	DR - RR	-0.09(0.69)	0.99
Gendertarget=m	DD - DR	-0.65(0.53)	0.44
	DD - RR	**-1.22(0.48)**	**0.03***
	DR - RR	-0.57(0.36)	0.25
Gendertarget=n	DD - DR	1.30(0.80)	0.23
	DD - RR	**2.29(0.73)**	**0.005****
	DR - RR	**0.92(0.39)**	**0.03***

P-value adjustment: tukey method for comparing a family of 3 estimates

TABLE C1: Mixed cues. Model 1: Probability of following the prompted adjectival agreement

Generalized linear mixed model fit by maximum likelihood (Laplace Approximation) ['glmerMod']
Family: binomial (logit)
Formula: adj ~ group + clash + Age + group:Age + clash:Age:group + (1 | Code) + (1 | Stimulus)

Fixed effects	Estimate (SE)
Intercept	-0.94(0.87)
groupMonolingual	1.91(0.99).
clash	-0.75(0.76)
Age	**0.42(0.12)*** **
groupMonolingual:Age	**-4.80(1.66)** **
groupBilingual:clash:Age	-0.41(0.23).
groupMonolingual:clash:Age	-0.41(0.23).

Signif.codes: 0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 " 1

TABLE C2: Post-hoc pairwise comparisons (Model 1)

Condition	Contrast	Estimate (SE)	p-value
clash = 0	Bilingual-Monolingual	-0.54(0.53)	0.31
clash = 1	**Bilingual-Monolingual**	**-0.89(0.37)**	**0.02***

P-value adjustment: tukey method for comparing a family of 3 estimates

TABLE C3: Mixed cues. Model 2: Probability of following the prompted nominal cue

Generalized linear mixed model fit by maximum likelihood (Laplace Approximation) ['glmerMod']
Family: binomial (logit)
Formula: N ~ group + clash + Age + group:Age + clash:Age:group + (1 | Code) + (1 | Stimulus)

Fixed effects	Estimate (SE)
Intercept	-1.46(0.94)
groupMonolingual	2.88(1.31)*
clash	1.52(1.04)
Age	**0.49(0.14)*** **
groupMonolingual:clash	**-3.99(1.47)** **
groupMonolingual:Age	-0.39(0.23).
groupBilingual:clash:Age	**-0.62(0.15)*** **
groupMonolingual:clash:Age	-0.16(0.21)

Signif.codes: 0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 " 1

TABLE C4: Post-hoc pairwise comparisons (Model 2)

Condition	Contrast	Estimate (SE)	p-value
clash = 0	Bilingual-Monolingual	-0.36(0.45)	0.42
clash = 1	**Bilingual-Monolingual**	**0.66(0.28)**	**0.02***

P-value adjustment: tukey method for comparing a family of 3 estimates