

APPENDIX A: STIMULI FOR EXPERIMENTS 1 AND 2 AND VERB PROPERTIES

Table A1. Stimuli for Experiment 1

Kind	List	context sentence	target sentence	Bias
Critical	1	Ana and Liz were attending a karaoke party.	Ana idolized Liz because she is a dax.	object
Critical	2	Ana and Liz were attending a karaoke party.	Ana dazzled Liz because she is a dax.	subject
Critical	1	Ana and Liz were performing in a beauty pageant.	Ana envied Liz because she is a dax.	object
Critical	2	Ana and Liz were performing in a beauty pageant.	Ana frightened Liz because she is a dax.	subject
Critical	1	Ana and Liz were volunteering at the library	Ana despised Liz because she is a dax.	object
Critical	2	Ana and Liz were volunteering at the library	Ana offended Liz because she is a dax.	subject
Critical	1	Liz and Ana were competing in a marathon.	Liz enraged Ana because she is a dax.	subject
Critical	2	Liz and Ana were competing in a marathon.	Liz hated Ana because she is a dax.	object
Critical	1	Liz and Ana were working on a project for class.	Liz disliked Ana because she is a dax.	object
Critical	2	Liz and Ana were working on a project for class.	Liz bored Ana because she is a dax.	subject
Critical	1	Liz and Ana were working out at the gym.	Liz aggravated Ana because she is a dax.	subject
Critical	2	Liz and Ana were working out at the gym.	Liz loathed Ana because she is a dax.	object
Critical	1	Matt and Will were camping in the woods.	Matt trusted Will because he is a dax.	object
Critical	2	Matt and Will were camping in the woods.	Matt fascinated Will because he is a dax.	subject
Critical	1	Matt and Will were driving to a baseball game.	Matt irritated Will because he is a dax.	subject

Critical	2	Matt and Will were driving to a baseball game.	Matt resented Will because he is a dax.	object
Critical	1	Matt and Will were rooming together at a conference.	Matt amused Will because he is a dax.	subject
Critical	2	Matt and Will were rooming together at a conference.	Matt adored Will because he is a dax	object
Critical	1	Will and Matt were attending a training session.	Will pleased Matt because he is a dax.	subject
Critical	2	Will and Matt were attending a training session.	Will worshipped Matt because he is a dax.	object
Critical	1	Will and Matt were fishing with their kids.	Will admired Matt because he is a dax.	object
Critical	2	Will and Matt were fishing with their kids.	Will inspired Matt because he is a dax.	subject
Critical	1	Will and Matt were playing basketball on opposite teams.	Will distracted Matt because he is a dax.	subject
Critical	2	Will and Matt were playing basketball on opposite teams.	Will teased Matt because he is a dax.	object
Filler	Both	Ana and Matt were washing paint brushes.	Ana painted with Matt because she is a dax.	
Filler	Both	Ana and Will were decorating the living room.	Ana hung a picture with Will because he is a dax.	
Filler	Both	Liz and Matt were studying for an exam.	Liz went to the library with Matt because he is a dax.	
Filler	Both	Liz and Will were on vacation.	Liz watched TV with Will because she is a dax.	
Filler	Both	Matt and Ana were looking for a fun activity they'd both enjoy.	Matt played video games with Ana because she is a dax.	
Filler	Both	Matt and Liz were in the mountains.	Matt hiked with Liz because he is a dax.	
Filler	Both	Will and Ana were at the gym.	Will ran a mile with Ana because he a dax	
Filler	Both	Will and Liz were talking to the bride.	Will attended the wedding with Liz because she is a dax.	

Table A2. Stimuli for Experiment 2

Kind	List	context sentence	target sentence	Bias
Critical	1	Ana and Liz were attending a karaoke party.	Ana idolized Liz because she is a great singer.	object
Critical	2	Ana and Liz were attending a karaoke party.	Ana dazzled Liz because she is a great singer.	subject
Critical	1	Ana and Liz were performing in a beauty pageant.	Ana envied Liz because she is a beautiful woman.	object
Critical	2	Ana and Liz were performing in a beauty pageant.	Ana frightened Liz because she is a beautiful woman.	subject
Critical	1	Ana and Liz were volunteering at the library	Ana despised Liz because she is a lazy volunteer.	object
Critical	2	Ana and Liz were volunteering at the library	Ana offended Liz because she is a lazy volunteer.	subject
Critical	1	Liz and Ana were competing in a marathon.	Liz enraged Ana because she is an arrogant person.	subject
Critical	2	Liz and Ana were competing in a marathon.	Liz hated Ana because she is an arrogant person.	object
Critical	1	Liz and Ana were working on a project for class.	Liz disliked Ana because she is an unimaginative person.	object
Critical	2	Liz and Ana were working on a project for class.	Liz bored Ana because she is an unimaginative person.	subject
Critical	1	Liz and Ana were working out at the gym.	Liz aggravated Ana because she is an obnoxious weight lifter.	subject
Critical	2	Liz and Ana were working out at the gym.	Liz loathed Ana because she is an obnoxious weight lifter.	object
Critical	1	Matt and Will were camping in the woods.	Matt trusted Will because he is good at starting fires.	object
Critical	2	Matt and Will were camping in the woods.	Matt fascinated Will because he is good at starting fires.	subject
Critical	1	Matt and Will were driving to a baseball game.	Matt irritated Will because he is a lousy driver.	subject
Critical	2	Matt and Will were driving to a baseball game.	Matt resented Will because he is a lousy driver.	object

Critical	1	Matt and Will were rooming together at a conference.	Matt amused Will because he is a funny guy.	subject
Critical	2	Matt and Will were rooming together at a conference.	Matt adored Will because he is a funny guy.	object
Critical	1	Will and Matt were attending a training session.	Will pleased Matt because he is a quick learner.	subject
Critical	2	Will and Matt were attending a training session.	Will worshipped Matt because he is a quick learner.	object
Critical	1	Will and Matt were fishing with their kids.	Will admired Matt because he is a good father.	object
Critical	2	Will and Matt were fishing with their kids.	Will inspired Matt because he is a good father	subject
Critical	1	Will and Matt were playing basketball on opposite teams.	Will distracted Matt because he is a slow dribbler.	subject
Critical	2	Will and Matt were playing basketball on opposite teams.	Will teased Matt because he is a slow dribbler.	object
Filler	Both	Ana and Matt were washing paint brushes.	Ana painted with Matt because she is an art teacher.	
Filler	Both	Liz and Will were hoping to attend a sold out concert.	Liz offered the tickets to Will because she was busy that day.	
Filler	Both	Liz and Will were in the mountains.	Liz hiked with Will because she is a fitness coach.	
Filler	Both	Matt and Liz were on vacation.	Matt watched TV with Liz because he was behind on the latest episode.	
Filler	Both	Matt and Liz were organizing their office.	Matt loaned the key to Liz because he was too busy to unlock the file cabinet.	
Filler	Both	Will and Ana were cleaning the yard.	Will handed the flowers to Ana because he was helping in the garden.	
Filler	Both	Ana and Matt were in college together.	Ana borrowed the book from Matt because he was finished with the class.	
Filler	Both	Ana and Will were looking for a fun activity they'd both enjoy.	Ana played video games with Will because he is good competition.	
Filler	Both	Liz and Matt were talking to the bride.	Liz attended the wedding with Matt because he is a friend of the bride.	
Filler	Both	Matt and Ana were at McDonald's.	Matt took the fries from Ana because she was full.	
Filler	Both	Will and Ana were decorating the living room.	Will hung a picture with Ana because she is a tall person.	

Filler	Both	Will and Liz were on their company's baseball team.	Will caught the baseball from Liz because she was practicing a new pitching technique	
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Table A3. Verbs used in Experiment 1 and 2

Verb	Type	Bias	percent subject bias	class	Valence	Frequency
admired	Noncause/Cause	object	11%	31.2 admire	positive	3.67
adored	Noncause/Cause	object	12%	31.2 admire	positive	2.45
aggravated	Cause/Noncause	subject	73%	31.1 amuse	negative	1.25
amused	Cause/Noncause	subject	82%	31.1 amuse	positive	2.51
bored	Cause/Noncause	subject	76%	31.1 amuse	negative	20.18
dazzled	Cause/Noncause	subject	78%	31.1 amuse	positive	0.53
despised	Noncause/Cause	object	11%	31.2 admire	negative	1.25
disliked	Noncause/Cause	object	11%	31.2 admire	negative	0.55
distracted	Cause/Noncause	subject	76%	31.1 amuse	negative	7.39
enraged	Cause/Noncause	subject	83%	31.1 amuse	negative	0.69
envied	Noncause/Cause	object	14%	31.2 admire	negative	1
fascinated	Cause/Noncause	subject	74%	31.1 amuse	positive	3.49
frightened	Cause/Noncause	subject	82%	31.1 amuse	negative	23.25
hated	Noncause/Cause	object	15%	31.2 admire	negative	28.22
idolized	Noncause/Cause	object	13%	31.2 admire	positive	0.37
inspired	Cause/Noncause	subject	81%	31.1 amuse	positive	7.65
irritated	Cause/Noncause	subject	78%	31.1 amuse	negative	1.37
loathed	Noncause/Cause	object	14%	31.2 admire	negative	0.39
offended	Cause/Noncause	subject	77%	31.1 amuse	negative	7.53
pleased	Cause/Noncause	subject	78%	31.1 amuse	positive	28.53
resented	Noncause/Cause	object	15%	31.2 admire	positive	1.04
teased	Noncause/Cause	object	20%	31.1 amuse	negative	0.94
trusted	Noncause/Cause	object	15%	31.2 admire	positive	16.78
worshipped	Noncause/Cause	object	16%	31.2 admire	positive	1.92

APPENDIX B: DEMOGRAPHIC QUESTIONS

1. **What is your current age?**
2. **Please rate your level of proficiency with the English language as well as the age you began to learn the language by selecting from the drop-down menus adjacent to each question.**

Native

Native- as a baby

Native- before age 6

Native- During elementary school

Native- During middle/high school

Native- During or after college

Good

Good- as a baby

Good- before age 6

Good- During elementary school

Good- During middle/high school

Good- During or after college

Poor

Poor- as a baby

Poor- before age 6

Poor- During elementary school

Poor- During middle/high school

Poor- During or after college

3. **What is your sex?**

Male

Female

4. **What is your gender identity (male, female, non-binary, other, etc.)?**

5. Think of this below as rungs of a ladder representing where people stand in society. At the top of the ladder are the people that are the best off -- Individuals/families who have the most money, the most education, and the most respected jobs. At the bottom of the ladder are the people that are the worst off-- Individuals/families who have the least money, least education, and least respected jobs or no job. Where would you place yourself on this ladder (1 being the top and 15 being the bottom)? Select the number which best indicates where you think you stand relative to other individuals.

6. To your best knowledge, what is your (or your family's) yearly household income?

- Over 1,000,000
- 950,001-1,000,000
- 900,001-950,000
- 850,001-900,000
- 800,001-850,000
- 750,001-800,000
- 700,001-750,000
- 650,001-700,000
- 600,001-650,000
- 550,001-600,000
- 500,001-550,000
- 450,001-500,000
- 400,001-450,000
- 350,001-400,000
- 300,001-350,000
- 250,001-300,000
- 200,001-250,000
- 150,001-200,000
- 100,001-150,000
- 50,001-100,000
- Less than 50,000

- 7. Think about the person who you most closely identify as your mother or mother figure (e.g., grandmother or aunt who raised you, adoptive mother, foster mother, etc.) What is her highest level of formal education?**

Did not graduate high school

Graduated high school

Some college, 2-year college degree, or technical school

4-year college degree

Master's, professional, Ph.D., M.D., or other graduate degree

Don't know

- 8. Think about the person who you most closely identify as your father or father figure (e.g., grandfather or uncle who raised you, adoptive father, foster father, etc.) What is his highest level of formal education?**

Did not graduate high school

Graduated high school

Some college, 2-year college degree, or technical school

4-year college degree

Master's, professional, Ph.D., M.D., or other graduate degree

Don't know