

Supplementary Material

1 Scale Items

(Options: 1 = strongly disagree, 2 = disagree, 3 = somewhat disagree, 4 = somewhat agree, 5 = agree, 6 = strongly agree)

1.1 Stereotype Content Model (SCM)

- Competence

Q1. 38/68-year-old *target* individuals are competent.

Q2. 38/68-year-old *target* individuals are superior.

Q3. 38/68-year-old *target* individuals are intelligent.

- Warmth

Q1. 38/68-year-old *target* individuals are kind.

Q2. 38/68-year-old *target* individuals are friendly.

Q3. 38/68-year-old *target* individuals are warm-hearted.

1.2 Predictors

- Position

Q1. 38/68-year-old *target* individuals have money and resources.

Q2. 38/68-year-old *target* individuals have a high position in society.

Q3. 38/68-year-old *target* individuals have a high education level.

- Respect

Q1. 38/68-year-old *target* individuals are respected.

Q2. 38/68-year-old *target* individuals are esteemed.

Q3. 38/68-year-old *target* individuals are an example for others.

- Competition

Q1. Cooperating with 38/68-year-old *target* individuals to achieve a common goal.

Q2. Relying on 38/68-year-old *target* individuals to achieve an important goal.

Q3. The more power 38/68-year-old *target* individuals have, the less power others are likely to have.

Q4. Resources that go to 38/68-year-old *target* individuals are likely to take away from the resources of others.

Note. In the experiment, instead of the word *target*, the assigned occupation was presented to the participants

2 Tables

Table S1. Mean Scores on the Measurement Scale for Each Occupation

Occupation	SCM		Predictors				Estimated Age
	Competence	Warmth	Position	Respect	Cooperation	Competition	
38-year-old group							
1 Priest	3.93 (0.86)	4.10 (0.89)	4.15 (0.64)	3.94 (0.90)	3.02 (1.12)	3.06 (1.04)	NA
2 Nurse	4.58 (0.80)	4.14 (0.80)	3.91 (0.79)	4.58 (0.78)	3.74 (1.29)	2.34 (0.88)	NA
3 Novelist	4.38 (0.70)	3.49 (0.68)	3.76 (0.72)	3.81 (0.72)	2.79 (1.03)	2.53 (0.84)	NA
4 Professor	4.85 (0.82)	3.42 (0.77)	4.62 (0.75)	4.16 (0.85)	3.44 (1.13)	2.79 (0.94)	NA
5 Diet member	3.87 (0.97)	3.02 (0.98)	4.45 (1.00)	3.35 (1.06)	2.95 (1.08)	3.38 (1.10)	NA
6 Corporate executive	4.40 (0.90)	3.12 (0.82)	4.61 (0.83)	3.79 (0.95)	3.31 (1.24)	3.41 (1.03)	NA
7 Attorney	5.04 (0.84)	3.49 (0.89)	5.12 (0.86)	4.38 (0.95)	3.47 (1.25)	2.96 (1.21)	NA
8 Doctor	4.86 (0.90)	3.62 (0.75)	5.02 (0.77)	4.18 (0.83)	3.63 (1.18)	2.72 (1.02)	NA
9 Taxi driver	3.63 (0.75)	3.89 (0.65)	2.98 (0.66)	3.34 (0.76)	2.79 (1.10)	2.43 (0.87)	NA
10 Farmer	3.99 (0.80)	4.21 (0.84)	3.39 (0.71)	4.12 (0.81)	3.66 (1.17)	2.66 (0.96)	NA
11 Hairdresser/Barber	3.98 (0.70)	3.99 (0.76)	3.20 (0.64)	3.61 (0.72)	3.12 (1.04)	2.49 (0.83)	NA
12 Caregiver	3.94 (0.64)	4.43 (0.81)	2.80 (0.68)	4.37 (0.83)	3.48 (1.22)	2.26 (0.81)	NA
13 Building janitor	3.21 (0.86)	3.66 (0.78)	2.45 (0.64)	3.58 (0.99)	2.99 (1.11)	2.31 (0.91)	NA
14 Unskilled worker	2.95 (0.80)	3.59 (0.88)	2.53 (0.73)	3.16 (0.86)	3.25 (1.06)	2.52 (0.87)	NA
15 Recluse	2.44 (1.00)	2.77 (0.90)	2.29 (0.68)	1.75 (0.78)	1.77 (0.89)	3.41 (1.33)	NA
16 Homeless	2.32 (0.87)	2.87 (0.90)	1.86 (0.64)	1.88 (0.74)	1.65 (0.72)	2.79 (1.12)	NA
68-year-old group							
1 Priest	3.87 (0.90)	4.15 (1.07)	4.22 (0.72)	3.91 (1.05)	3.01 (1.19)	3.20 (1.12)	NA
2 Nurse	4.26 (0.76)	4.17 (0.87)	4.04 (0.74)	4.53 (0.81)	3.61 (1.19)	2.65 (0.90)	NA
3 Novelist	4.49 (0.88)	3.15 (0.93)	4.14 (0.78)	3.93 (0.82)	2.53 (0.94)	2.66 (0.94)	NA
4 Professor	4.66 (0.80)	3.47 (0.78)	5.09 (0.74)	4.25 (0.81)	3.40 (1.16)	3.29 (0.97)	NA
5 Diet member	2.86 (1.22)	2.36 (0.99)	4.87 (0.79)	2.48 (1.17)	2.61 (1.25)	4.41 (1.16)	NA
6 Corporate executive	3.85 (0.92)	3.07 (0.92)	4.73 (0.76)	3.52 (1.00)	3.20 (1.20)	3.88 (1.14)	NA
7 Attorney	4.58 (0.85)	3.32 (0.86)	5.13 (0.71)	4.12 (0.94)	3.38 (1.18)	3.26 (0.92)	NA
8 Doctor	4.73 (0.75)	3.79 (0.84)	5.28 (0.60)	4.48 (0.74)	3.63 (1.15)	2.95 (0.97)	NA
9 Taxi driver	3.63 (0.86)	3.95 (0.82)	2.85 (0.71)	3.48 (0.85)	2.99 (1.05)	2.52 (0.86)	NA
10 Farmer	4.00 (0.76)	4.40 (0.75)	3.42 (0.67)	4.35 (0.77)	3.62 (0.96)	2.55 (0.86)	NA
11 Hairdresser/Barber	3.96 (0.74)	4.21 (0.81)	3.31 (0.74)	3.97 (0.87)	2.99 (1.10)	2.55 (0.99)	NA

Occupation	SCM		Predictors				Estimated
	Competence	Warmth	Position	Respect	Cooperation	Competition	Age
12 Caregiver	3.86 (0.88)	4.30 (0.98)	2.92 (0.79)	4.29 (0.94)	3.70 (1.07)	2.53 (1.06)	NA
13 Building janitor	3.40 (0.88)	4.02 (0.77)	2.58 (0.77)	3.77 (0.92)	3.28 (1.08)	2.34 (0.94)	NA
14 Unskilled worker	3.10 (0.80)	3.66 (0.82)	2.53 (0.78)	3.43 (0.96)	3.13 (1.18)	2.63 (0.96)	NA
15 Recluse	2.54 (0.88)	2.89 (0.90)	2.51 (0.79)	2.07 (0.88)	1.82 (0.86)	3.53 (1.14)	NA
16 Homeless	2.29 (0.87)	3.04 (0.98)	1.79 (0.63)	1.82 (0.77)	1.59 (0.67)	2.69 (1.09)	NA
17 Older adult	3.43 (0.78)	3.69 (0.78)	3.52 (0.51)	3.52 (0.81)	3.17 (0.97)	3.43 (1.01)	NA
No age information group							
1 Priest	3.94 (0.74)	4.08 (0.86)	4.25 (0.60)	4.05 (0.93)	3.11 (1.18)	3.17 (1.13)	56.29 (8.45)
2 Nurse	4.59 (0.96)	4.27 (0.96)	3.88 (0.82)	4.58 (0.96)	3.92 (1.16)	2.33 (0.96)	37.40 (6.53)
3 Novelist	4.60 (0.74)	3.34 (0.76)	3.93 (0.77)	3.99 (0.74)	2.75 (1.00)	2.63 (0.91)	48.00 (8.10)
4 Professor	4.75 (0.96)	3.41 (0.88)	4.85 (0.82)	4.02 (1.08)	3.52 (1.12)	3.05 (1.05)	57.42 (6.31)
5 Diet member	3.14 (1.21)	2.48 (0.92)	4.81 (0.75)	2.59 (1.15)	2.78 (1.16)	4.32 (1.16)	61.22 (8.44)
6 Corporate executive	4.08 (0.93)	2.93 (0.88)	4.76 (0.73)	3.56 (0.94)	3.41 (1.15)	3.90 (1.03)	57.02 (8.57)
7 Attorney	5.00 (0.86)	3.38 (0.71)	5.23 (0.72)	4.32 (0.91)	3.58 (1.20)	2.92 (0.94)	49.04 (8.32)
8 Doctor	5.16 (0.80)	3.63 (0.71)	5.41 (0.63)	4.55 (0.87)	4.33 (0.92)	2.75 (0.89)	50.10 (7.72)
9 Taxi driver	3.39 (0.85)	3.60 (0.84)	2.69 (0.67)	3.28 (0.92)	2.94 (1.06)	2.61 (0.80)	55.56 (7.98)
10 Farmer	4.14 (0.78)	4.47 (0.88)	3.41 (0.62)	4.44 (0.75)	3.72 (1.00)	2.38 (0.89)	57.17 (9.36)
11 Hairdresser/Barber	3.93 (0.76)	4.12 (0.79)	3.24 (0.69)	3.77 (0.73)	3.12 (1.14)	2.46 (0.92)	34.89 (7.38)
12 Caregiver	3.93 (0.85)	4.37 (0.89)	2.80 (0.69)	4.47 (0.79)	3.74 (1.18)	2.15 (0.81)	41.20 (7.96)
13 Building Janitor	3.31 (0.77)	3.90 (0.86)	2.52 (0.64)	3.73 (0.97)	3.13 (1.06)	2.21 (0.77)	51.08 (13.11)
14 Unskilled Workers	3.16 (0.84)	3.60 (0.82)	2.50 (0.73)	3.30 (0.88)	3.34 (1.11)	2.45 (1.00)	38.81 (10.35)
15 Recluse	2.80 (0.92)	3.00 (0.87)	2.30 (0.69)	1.89 (0.71)	1.84 (0.78)	3.09 (1.17)	33.16 (9.01)
16 Homeless	2.55 (0.75)	3.03 (0.83)	1.93 (0.61)	2.00 (0.74)	1.76 (0.81)	2.71 (1.06)	61.20 (7.22)

Note. Standard deviations are in parentheses. SCM = stereotype content model; NA = not applicable.

Table S2. *Thirty Metrics for Evaluating the Optimal Number of Clusters and Their Results*

Evaluation Metric	Number of Clusters	Value Index
Hubert	0	0
Dindex	0	0
Frey	1	NA
Duda	2	0.2447
Beale	2	2.7012
McClain	2	0.7822
KL	3	3447.069
Hartigan	3	21.0158
Marriot	3	59.563
TrCovW	3	15.5436
TraceW	3	11.5011
Ratkowsky	3	0.5011
Ball	3	7.8994
PtBiserial	3	0.65
Gap	3	-0.8707
Tau	3	21.5167
CCC	5	1.3769
Scott	5	23.8432
Rubin	5	-2.8362
Dunn	5	0.468
SDindex	5	2.0494
Friedman	7	22.9469
Silhouette	7	0.5435
CH	8	44.9959
Cindex	8	0.2351
DB	8	0.435
PseudoT2	8	0
Gamma	8	0.9709
Gplus	8	0.1333
SDbw	8	0.0255

Note. For detailed information on the algorithm used for each metric, see Charrad et al. (2014).

3 Figures

Figure S1. Regression Coefficients for Each Predictor of “Competence” in the Stereotype Content Model by Occupation

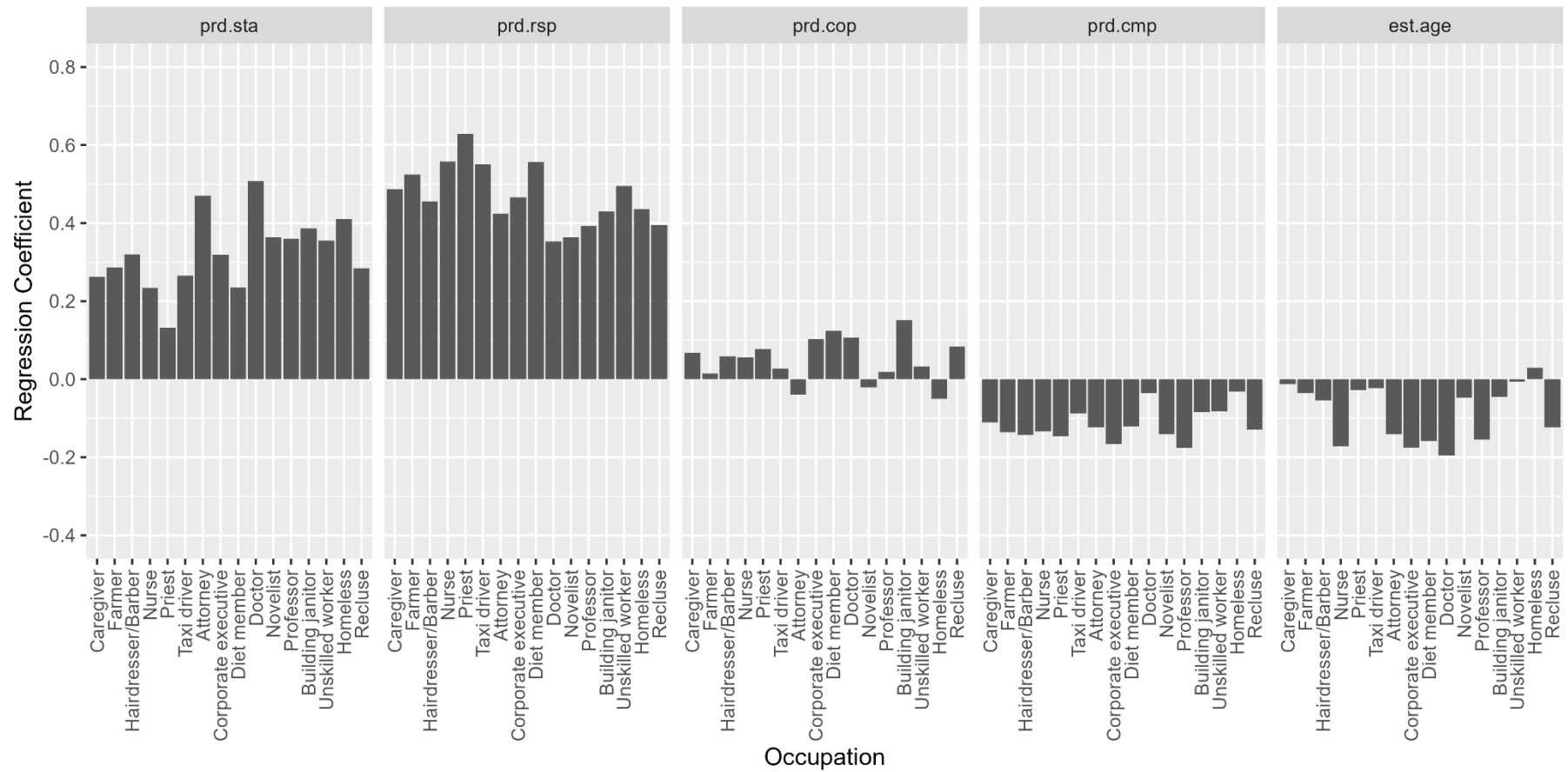


Figure S2. *Regression Coefficients for Each Predictor of “Warmth” in the Stereotype Content Model by Occupation*

