

Supplement

Appendix A: Experimental Materials

A.1 The statistic below is from the latest FBI report on violent crime in the US. Violent crime includes murder, nonnegligent manslaughter, rape, robbery, and aggravated assault.

Reported offenses: 1,223,265

A.2 The statistic below is from the latest FBI report on violent crime in the US. Violent crime includes murder, nonnegligent manslaughter, rape, robbery, and aggravated assault.

Reported offenses: 4,000 per 1,000,000 inhabitants

A.3 The statistic below is from the latest FBI report on violent crime in the US. Violent crime includes murder, nonnegligent manslaughter, rape, robbery, and aggravated assault.

Reported offenses: 400 per 100,000 inhabitants

A.4 The statistic below is from the latest FBI report on violent crime in the US. Violent crime includes murder, nonnegligent manslaughter, rape, robbery, and aggravated assault.

Reported offenses: 40 per 10,000 inhabitants

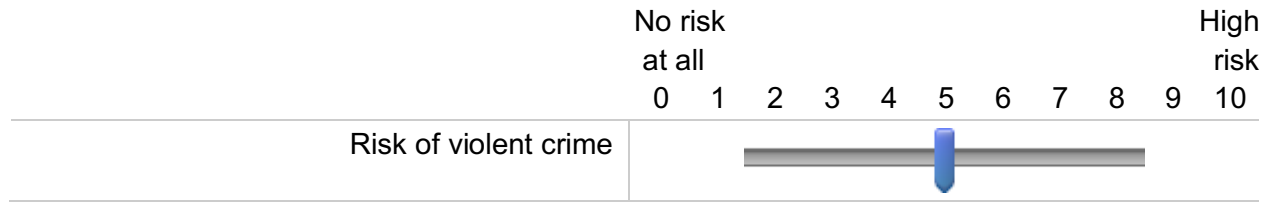
A.5 The statistic below is from the latest FBI report on violent crime in the US. Violent crime includes murder, nonnegligent manslaughter, rape, robbery, and aggravated assault.

Rate of reported offenses: 4 per 1,000 inhabitants

A.6 The statistic below is from the latest FBI report on violent crime in the US. Violent crime includes murder, nonnegligent manslaughter, rape, robbery, and aggravated assault.

Rate of reported offenses: .004 per inhabitant

A.7 Based on the statistic above, how would you rate the risk of violent crime for a typical person in the US?



A.8 Would you say that the above statistic indicates that conditions in the US are . . .

- Extremely good
- Moderately good
- Slightly good
- Neither good nor bad
- Slightly bad
- Moderately bad
- Extremely bad

End of Block: Violent crime

Start of Block: Infant mortality

B.1 The statistic below is from the latest CDC report on infant mortality in the US. Infant mortality is the death of an infant before his or her first birthday.

Infant deaths: 23,215

B.2 The statistic below is from the latest CDC report on infant mortality in the US. Infant mortality is the death of an infant before his or her first birthday.

Infant deaths: 5,821 per 1,000,000 live births

B.3 The statistic below is from the latest CDC report on infant mortality in the US. Infant mortality is the death of an infant before his or her first birthday.

Infant deaths: 582.1 per 100,000 live births

B.4 The statistic below is from the latest CDC report on infant mortality in the US. Infant mortality is the death of an infant before his or her first birthday.

Infant deaths: 58.2 per 10,000 live births

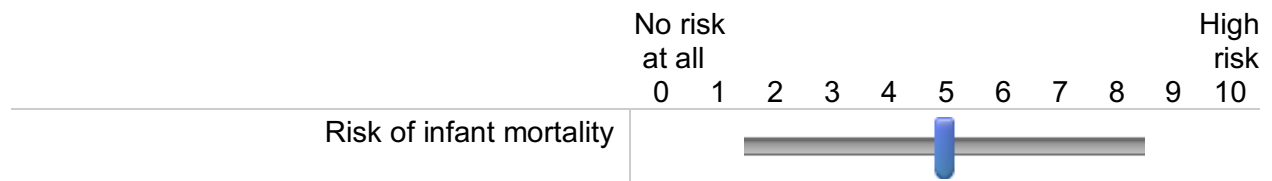
B.5 The statistic below is from the latest CDC report on infant mortality in the US. Infant mortality is the death of an infant before his or her first birthday.

Infant deaths: 5.8 per 1,000 live births

B.6 The statistic below is from the latest CDC report on infant mortality in the US. Infant mortality is the death of an infant before his or her first birthday.

Infant deaths: .0058 per live birth

Q8.7 Based on this statistic above, how would you rate the risk of infant mortality for a typical child born in the US?



B.8 Would you say that the above statistic indicates that conditions in the US are . . .

- Extremely good
- Moderately good
- Slightly good
- Neither good nor bad
- Slightly bad
- Moderately bad
- Extremely bad

End of Block: Infant mortality

Appendix B: Numeracy Scale Items

Q15.1 The next few questions ask about how you feel about numbers and quantitative information.

Q15.2 How good are you at working with fractions?

Not at all good (1) (2) (3) (5) (6) (7) Extremely good

Q15.3 How good are you at working with percentages?

Not at all good (1) (2) (3) (5) (6) (7) Extremely good

Q15.4 How good are you at calculating a 15% tip?

Not at all good (1) (2) (3) (5) (6) (7) Extremely good

Q15.5 How good are you at figuring out how much a shirt will cost if it is 25% off?

Not at all good (1) (2) (3) (5) (6) (7) Extremely good

**Appendix C: One-way ANOVAs and Multiple Comparisons,
Tukey's Honestly Significant Differences (HSD) Test**

Table C1

One-way ANOVA and Tukey's HSD for Perceived Risk of Violent Crime (1-10 scale)								
One-way ANOVA								
Group	Reported offenses:	Mean	Source	SS	df	MS	F	Prob > F
1	1,223,265	5.674	Between	164.01	5	32.80	4.8	0.000
2	4,000 per 1,000,000 inhabitants	5.209	Within	5635.41	825	6.83		
3	400 per 100,000 inhabitants	5.103	Total	5799.42	830	6.99		
4	40 per 10,000 inhabitants	4.963						
5	4 per 1,000 inhabitants	4.600						
6	.004 per inhabitant	4.288						
Tukey's HSD (significant contrasts in bold)								
Groups	Contrast	Std. Err.	t	P>t	95% Confidence Interval			
2 vs 1	-0.465	0.312	-1.49	0.672	-1.357	0.427		
3 vs 1	-0.571	0.314	-1.82	0.455	-1.468	0.326		
4 vs 1	-0.711	0.314	-2.26	0.211	-1.608	0.187		
5 vs 1	-1.074	0.312	-3.44	0.008	-1.964	-0.183		
6 vs 1	-1.386	0.312	-4.44	0.000	-2.278	-0.494		
3 vs 2	-0.106	0.315	-0.34	0.999	-1.006	0.795		
4 vs 2	-0.245	0.315	-0.78	0.971	-1.146	0.655		
5 vs 2	-0.609	0.313	-1.94	0.375	-1.503	0.285		
6 vs 2	-0.921	0.314	-2.94	0.040	-1.816	-0.025		
4 vs 3	-0.140	0.317	-0.44	0.998	-1.045	0.766		
5 vs 3	-0.503	0.315	-1.60	0.600	-1.402	0.396		
6 vs 3	-0.815	0.315	-2.59	0.102	-1.716	0.085		
5 vs 4	-0.363	0.315	-1.15	0.858	-1.262	0.536		
6 vs 4	-0.675	0.315	-2.14	0.266	-1.576	0.225		
6 vs 5	-0.312	0.313	-1.00	0.919	-1.206	0.582		
Note: Perceived risk is a rating scale from 1=no risk at all, to 10=high risk.								

Table C2

One-way ANOVA and Tukey's HSD for Perceived Condition of Violent Crime in the US (1-7 scale)								
One-way ANOVA								
Group	Reported offenses:	Mean	Source	SS	df	MS	F	Prob > F
1	1,223,265	3.483	Between	174.20	5	34.84	12.12	0.000
2	4,000 per 1,000,000 inhabitants	4.193	Within	2394.55	833	2.87		
3	400 per 100,000 inhabitants	4.110	Total	2568.74	838	3.07		
4	40 per 10,000 inhabitants	4.101						
5	4 per 1,000 inhabitants	4.574						
6	.004 per inhabitant	4.950						
Tukey's HSD (significant contrasts in bold)								
Groups	Contrast	Std. Err.	t	P>t	95% Confidence Interval			
2 vs 1	0.710	0.202	3.52	0.006	0.135	1.286		
3 vs 1	0.628	0.203	3.09	0.025	0.048	1.208		
4 vs 1	0.619	0.202	3.06	0.028	0.041	1.197		
5 vs 1	1.092	0.201	5.43	0.000	0.517	1.667		
6 vs 1	1.468	0.201	7.29	0.000	0.893	2.043		
3 vs 2	-0.083	0.204	-0.40	0.999	-0.666	0.501		
4 vs 2	-0.091	0.203	-0.45	0.998	-0.672	0.490		
5 vs 2	0.382	0.202	1.89	0.411	-0.196	0.959		
6 vs 2	0.757	0.202	3.74	0.003	0.180	1.335		
4 vs 3	-0.009	0.205	-0.04	1.000	-0.594	0.576		
5 vs 3	0.464	0.204	2.28	0.204	-0.118	1.046		
6 vs 3	0.840	0.204	4.12	0.001	0.258	1.422		
5 vs 4	0.473	0.203	2.33	0.183	-0.107	1.053		
6 vs 4	0.849	0.203	4.18	0.000	0.269	1.429		
6 vs 5	0.376	0.202	1.86	0.427	-0.201	0.953		

Note: Perceived condition is a rating scale from 1='extremely bad' to 7='extremely good'.

Table C3

One-way ANOVA and Tukey's HSD for Perceived Risk of Infant Mortality (1-10 scale)								
One-way ANOVA								
Group	Infant deaths:	Mean	Source	SS	df	MS	F	Prob > F
1	23,215	4.978	Between	203.13	5	40.63	5.56	0.000
2	5,821 per 1,000,000 live births	4.263	Within	6039.87	826	7.31		
3	582.1 per 100,000 live births	4.791	Total	6243.00	831	7.51		
4	58.2 per 10,000 live births	4.694						
5	5.8 per 1,000 live births	4.454						
6	.0058 per live birth	3.453						
Tukey's HSD (significant contrasts in bold)								
Groups	Contrast	Std. Err.	t	P>t	95% Confidence Interval			
2 vs 1	-0.715	0.329	-2.18	0.250	-1.653	0.224		
3 vs 1	-0.186	0.327	-0.57	0.993	-1.121	0.749		
4 vs 1	-0.283	0.325	-0.87	0.953	-1.210	0.644		
5 vs 1	-0.524	0.326	-1.61	0.595	-1.456	0.408		
6 vs 1	-1.525	0.329	-4.64	0.000	-2.464	-0.587		
3 vs 2	0.529	0.326	1.62	0.583	-0.401	1.458		
4 vs 2	0.432	0.323	1.34	0.764	-0.490	1.354		
5 vs 2	0.191	0.324	0.59	0.992	-0.735	1.118		
6 vs 2	-0.810	0.327	-2.48	0.131	-1.743	0.123		
4 vs 3	-0.097	0.322	-0.30	1.000	-1.015	0.822		
5 vs 3	-0.337	0.323	-1.04	0.903	-1.261	0.586		
6 vs 3	-1.339	0.326	-4.11	0.001	-2.269	-0.409		
5 vs 4	-0.241	0.320	-0.75	0.975	-1.156	0.675		
6 vs 4	-1.242	0.323	-3.85	0.002	-2.164	-0.320		
6 vs 5	-1.001	0.324	-3.09	0.025	-1.928	-0.075		

Note: Perceived risk is a rating scale from 1=no risk at all, to 10=high risk.

Table C4

One-way ANOVA and Tukey's HSD for Perceived Condition of Infant Mortality in the US (1-7 scale)								
One-way ANOVA								
Group	Infant deaths:	Mean	Source	SS	df	MS	F	Prob > F
1	23,215	4.274	Between	76.30	5	15.26	5.01	0.000
2	5,821 per 1,000,000 live births	4.681	Within	2539.16	833	3.05		
3	582.1 per 100,000 live births	4.312	Total	2615.46	838	3.12		
4	58.2 per 10,000 live births	4.667						
5	5.8 per 1,000 live births	4.645						
6	.0058 per live birth	5.193						
Tukey's HSD (significant contrasts in bold)								
Groups	Contrast	Std. Err.	t	P>t	95% Confidence Interval			
2 vs 1	0.407	0.211	1.93	0.387	-0.197	1.011		
3 vs 1	0.038	0.210	0.18	1.000	-0.563	0.638		
4 vs 1	0.393	0.209	1.88	0.417	-0.205	0.990		
5 vs 1	0.371	0.210	1.77	0.488	-0.229	0.972		
6 vs 1	0.919	0.211	4.36	0.000	0.317	1.520		
3 vs 2	-0.369	0.209	-1.77	0.489	-0.966	0.228		
4 vs 2	-0.014	0.208	-0.07	1.000	-0.609	0.580		
5 vs 2	-0.036	0.209	-0.17	1.000	-0.633	0.561		
6 vs 2	0.512	0.209	2.44	0.143	-0.087	1.110		
4 vs 3	0.355	0.207	1.71	0.523	-0.236	0.945		
5 vs 3	0.333	0.208	1.60	0.597	-0.261	0.927		
6 vs 3	0.881	0.208	4.23	0.000	0.286	1.476		
5 vs 4	-0.021	0.207	-0.10	1.000	-0.612	0.570		
6 vs 4	0.526	0.207	2.54	0.114	-0.066	1.118		
6 vs 5	0.547	0.208	2.63	0.092	-0.048	1.142		

Note: Perceived condition is a rating scale from 1='extremely bad' to 7='extremely good'.

Appendix D: ANCOVAs
(with standardized Numeracy scale as a covariate)

Table D1

ANCOVA of Perceived Risk, Violent Crime and Numeracy						
Source	Partial SS	df	MS	F	Prob>F	
Model	347.86	11	31.62	4.75	0.000	
Violentcrime (treatment groups)	169.04	5	33.81	5.08	0.000	
Numeracy (covariate)	166.30	1	166.30	24.98	0.000	
Violentcrime*Numeracy	18.17	5	3.63	0.55	0.742	
Residual	5451.56	819	6.66			
Total	5799.42	830	6.99			
R-squared	0.060					

Table D2

ANCOVA of Condition Rating, Violent Crime and Numeracy						
Source	Partial SS	df	MS	F	Prob>F	
Model	364.03	11	33.09	12.41	0.000	
Violentcrime (treatment groups)	178.58	5	35.72	13.40	0.000	
Numeracy (covariate)	170.40	1	170.40	63.92	0.000	
Violentcrime*Numeracy	17.10	5	3.42	1.28	0.269	
Residual	2204.71	827	2.67			
Total	2568.74	838	3.07			
R-squared	0.142					

Table D3

ANCOVA of Perceived Risk, Infant Mortality and Numeracy						
Source	Partial SS	df	MS	F	Prob>F	
Model	240.50	11	21.86	2.99	0.001	
Infantmortality (treatment groups)	201.45	5	40.29	5.50	0.000	
Numeracy (covariate)	5.66	1	5.66	0.77	0.380	
Infantmortality*Numeracy	32.74	5	6.55	0.89	0.484	
Residual	6002.50	820	7.32			
Total	6243.00	831	7.51			
R-squared	0.039					

Table D4

ANOVA of Condition Rating, Infant Mortality and Numeracy						
Source	Partial SS	df	MS	F	Prob>F	
Model	139.81	11	12.71	4.25	0.000	
Infantmortality (treatment groups)	72.70	5	14.54	4.86	0.000	
Numeracy (covariate)	52.41	1	52.41	17.51	0.000	
Infantmortality*Numeracy	10.79	5	2.16	0.72	0.608	
Residual	2475.65	827	2.99			
Total	2615.46	838	3.12			
R-squared	0.054					