One-Way ANOVA (Non-parametric)

Kruskal-Wallis

	χ^2	df	p
approve1	59.4	2	< .001

Dwass-Steel-Critchlow-Fligner pairwise comparisons

Pairwise comparisons - approve1

		W	p
conventional	chemical	-10.87	< .001
conventional	nuclear	-6.47	< .001
chemical	nuclear	4.37	0.006

Binomial Logistic Regression

Model Fit Measures

Model	Deviance	AIC	R^2_{McF}
1	1769	1789	0.0839

Model Coefficients - approve1_bin

Predictor	Estimate	SE	Z	p	Odds ratio
Intercept	0.43152	0.26417	1.633	0.102	1.540
group_r:					
chemical – conventional	-1.01247	0.14221	-7.120	< .001	0.363
nuclear – conventional	-0.58055	0.13949	-4.162	< .001	0.560
male:					
male – not male	-0.07582	0.11612	-0.653	0.514	0.927
edu_bin:					
college graduate – other	-0.14825	0.12156	-1.220	0.223	0.862
income_factor:					
btw 35k and 75k – less than 35k	0.27001	0.13719	1.968	0.049	1.310
more than 75k – less than 35k	0.71350	0.15607	4.572	< .001	2.041
republican:					
yes – other	1.14825	0.13254	8.663	< .001	3.153
intpolitics_bin:					
interested – not interested	-0.19684	0.16232	-1.213	0.225	0.821
age	-0.00390	0.00461	-0.846	0.398	0.996

Note. Estimates represent the log odds of "approve1_bin = approve" vs. "approve1_bin = disapprove"

Binomial Logistic Regression

Model Fit Measures

Model	Deviance	AIC	R^2_{McF}
1	1677	1701	0.131

Model Coefficients - approve1_bin

Predictor	Estimate	SE	Z	p	Odds ratio
Intercept	0.57859	0.27381	2.113	0.035	1.784
group_r:					
chemical – conventional	-1.11371	0.14851	-7.499	< .001	0.328
nuclear – conventional	-0.65539	0.14530	-4.511	< .001	0.519
edu_bin:					
college graduate – other	-0.12219	0.12576	-0.972	0.331	0.885
republican:					
yes – other	0.64878	0.14461	4.486	< .001	1.913
intpolitics_bin:					
interested – not interested	-0.03483	0.16791	-0.207	0.836	0.966
income_factor:					
btw 35k and 75k – less than 35k	0.19567	0.14192	1.379	0.168	1.216
more than 75k – less than 35k	0.66689	0.16149	4.130	< .001	1.948
male:					
male – not male	-0.17320	0.12261	-1.413	0.158	0.841
age	-0.00399	0.00478	-0.835	0.404	0.996
binding	0.48944	0.06684	7.322	< .001	1.631
individualizing	-0.43197	0.06715	-6.433	< .001	0.649

Note. Estimates represent the log odds of "approve1_bin = approve" vs. "approve1_bin = disapprove"

Binomial Logistic Regression

Model Fit Measures

Model	Deviance	AIC	R^2_{McF}
1	1673	1705	0.134

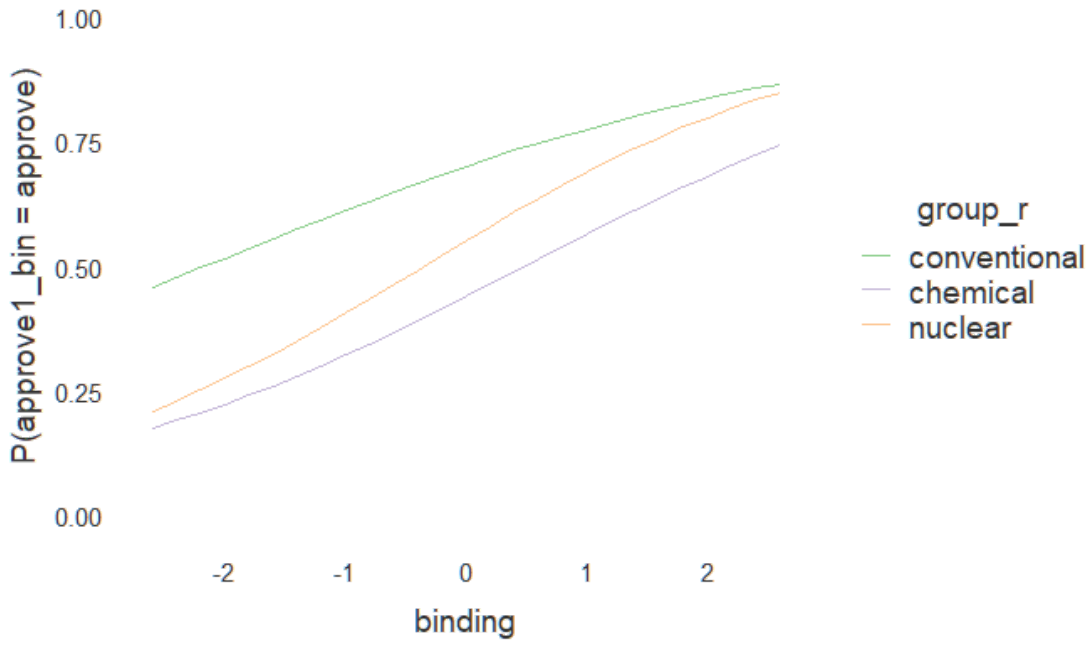
Model Coefficients - approve1_bin

Predictor	Estimate	SE	Z	p	Odds ratio
Intercept	0.57088	0.27421	2.082	0.037	1.770
group_r:					
chemical – conventional	-1.09255	0.14764	-7.400	< .001	0.335
nuclear – conventional	-0.64380	0.14667	-4.390	< .001	0.525
edu_bin:					
college graduate – other	-0.12294	0.12614	-0.975	0.330	0.884
republican:					
yes – other	0.63943	0.14524	4.403	< .001	1.895
intpolitics_bin:					
interested – not interested	-0.03985	0.16834	-0.237	0.813	0.961
income_factor:					
btw 35k and 75k – less than 35k	0.20188	0.14232	1.418	0.156	1.224
more than 75k – less than 35k	0.66645	0.16204	4.113	< .001	1.947
male:					
male – not male	-0.18144	0.12311	-1.474	0.141	0.834
age	-0.00393	0.00479	-0.822	0.411	0.996
binding	0.39285	0.10973	3.580	< .001	1.481
individualizing	-0.42295	0.11348	-3.727	< .001	0.655
binding ✻ group_r:					
binding ✻ (chemical – conventional)	0.10849	0.15705	0.691	0.490	1.115
binding ✻ (nuclear – conventional)	0.19529	0.15415	1.267	0.205	1.216
individualizing ✻ group_r:					
individualizing ✻ (chemical – conventional)	0.11001	0.15574	0.706	0.480	1.116
individualizing ✻ (nuclear – conventional)	-0.16292	0.16231	-1.004	0.315	0.850

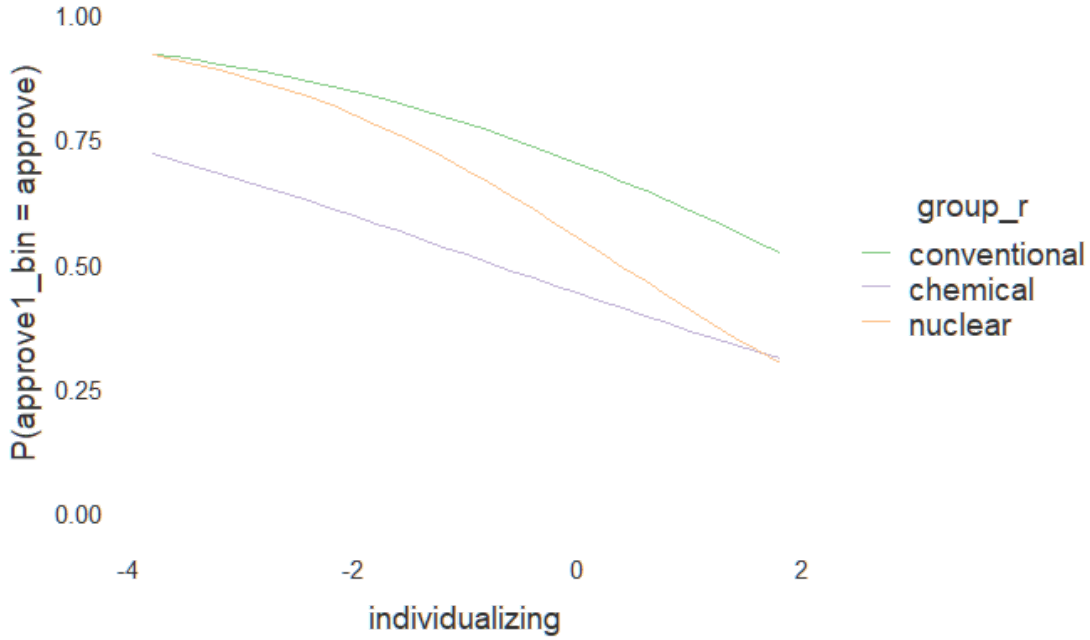
Note. Estimates represent the log odds of "approve1_bin = approve" vs. "approve1_bin = disapprove"

Estimated Marginal Means

binding ✻ group_r



individualizing ✻ group_r



[3]

Binomial Logistic Regression

Model Fit Measures

Model	Deviance	AIC	R^2_{McF}
1	1315	1321	0.0103

Model Coefficients - prefer_nuke

Predictor	Estimate	SE	Z	p	Odds ratio
Intercept	-0.467	0.113	-4.13	< .001	0.627
us_death:					
higher fatalities – lower fatalities	0.315	0.131	2.40	0.016	1.371
iran_death:					
higher fatalities – lower fatalities	-0.369	0.131	-2.81	0.005	0.692

Note. Estimates represent the log odds of "prefer_nuke = prefer nuclear strike" vs. "prefer_nuke = prefer ground war"

Binomial Logistic Regression

Model Fit Measures

Model	Deviance	AIC	R^2_{McF}
1	1308	1314	0.00628

Model Coefficients - approve2_bin

Predictor	Estimate	SE	Z	p	Odds ratio
Intercept	-0.554	0.114	-4.86	< .001	0.575
us_death:					
higher fatalities – lower fatalities	0.276	0.132	2.09	0.037	1.317
iran_death:					
higher fatalities – lower fatalities	-0.260	0.132	-1.97	0.048	0.771

Note. Estimates represent the log odds of "approve2_bin = approve" vs. "approve2_bin = disapprove"

Binomial Logistic Regression

Model Fit Measures

Model	Deviance	AIC	R^2_{McF}
1	1226	1246	0.0685

Model Coefficients - approve2_bin

Predictor	Estimate	SE	Z	p	Odds ratio
Intercept	-0.90643	0.31555	-2.873	0.004	0.404
us_death:					
higher fatalities – lower fatalities	0.26470	0.13794	1.919	0.055	1.303
iran_death:					
higher fatalities – lower fatalities	-0.37175	0.13897	-2.675	0.007	0.690
edu_bin:					
college graduate – other	-0.10281	0.14979	-0.686	0.492	0.902
republican:					
yes – other	1.26942	0.14955	8.489	< .001	3.559
intpolitics_bin:					
interested – not interested	-0.15122	0.19033	-0.795	0.427	0.860
income_factor:					
btw 35k and 75k – less than 35k	0.08221	0.17122	0.480	0.631	1.086
more than 75k – less than 35k	0.27966	0.19101	1.464	0.143	1.323
age	0.00306	0.00545	0.561	0.575	1.003
male:					
male – not male	-0.05283	0.14001	-0.377	0.706	0.949

Note. Estimates represent the log odds of "approve2_bin = approve" vs. "approve2_bin = disapprove"

Binomial Logistic Regression

Model Fit Measures

Model	Deviance	AIC	R^2_{McF}
1	1109	1141	0.157

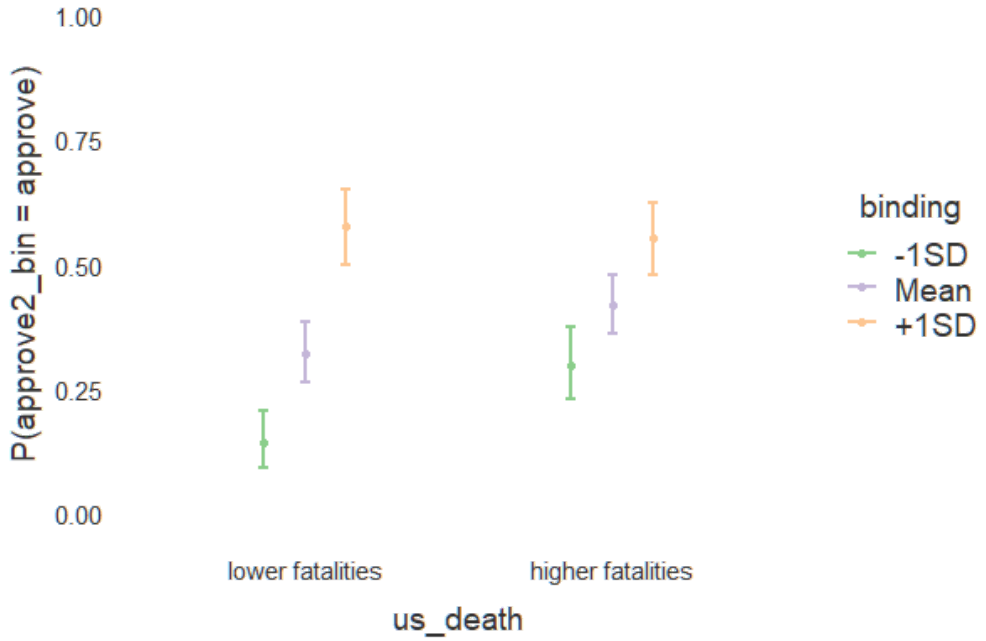
Model Coefficients - approve2_bin

Predictor	Estimate	SE	Z	p	Odds ratio
Intercept	-1.07393	0.33653	-3.19118	0.001	0.342
us_death:					
higher fatalities – lower fatalities	0.44653	0.15958	2.79812	0.005	1.563
iran_death:					
higher fatalities – lower fatalities	-0.43350	0.15656	-2.76883	0.006	0.648
edu_bin:					
college graduate – other	-0.05404	0.15918	-0.33952	0.734	0.947
republican:					
yes – other	0.70085	0.16405	4.27221	< .001	2.015
intpolitics_bin:					
interested – not interested	-0.00855	0.19972	-0.04280	0.966	0.991
income_factor:					
btw 35k and 75k – less than 35k	8.03e-4	0.18267	0.00439	0.996	1.001
more than 75k – less than 35k	0.21824	0.20332	1.07337	0.283	1.244
age	0.00417	0.00580	0.71843	0.472	1.004
male:					
male – not male	-0.12904	0.15135	-0.85259	0.394	0.879
binding	1.18883	0.17656	6.73323	< .001	3.283
individualizing	-0.49578	0.14719	-3.36816	< .001	0.609
binding ✻ us_death:					
binding ✻ (higher fatalities – lower fatalities)	-0.54980	0.18586	-2.95812	0.003	0.577
individualizing ✻ us_death:					
individualizing ✻ (higher fatalities – lower fatalities)	0.07996	0.16163	0.49473	0.621	1.083
binding ✻ iran_death:					
binding ✻ (higher fatalities – lower fatalities)	-0.14244	0.17886	-0.79636	0.426	0.867
individualizing ✻ iran_death:					
individualizing ✻ (higher fatalities – lower fatalities)	-0.07981	0.15757	-0.50648	0.613	0.923

Note. Estimates represent the log odds of "approve2_bin = approve" vs. "approve2_bin = disapprove"

Estimated Marginal Means

us_death ✻ binding



[3]

Binomial Logistic Regression

Model Fit Measures

Model	Deviance	AIC	R^2_{McF}
1	1266	1286	0.0478

Model Coefficients - prefer_nuke

Predictor	Estimate	SE	Z	p	Odds ratio
Intercept	-0.51362	0.30698	-1.673	0.094	0.598
us_death:					
higher fatalities – lower fatalities	0.30355	0.13498	2.249	0.025	1.355
iran_death:					
higher fatalities – lower fatalities	-0.45539	0.13598	-3.349	< .001	0.634
edu_bin:					
college graduate – other	-0.14797	0.14643	-1.011	0.312	0.862
republican:					
yes – other	0.91520	0.14754	6.203	< .001	2.497
intpolitics_bin:					
interested – not interested	-0.34745	0.18477	-1.880	0.060	0.706
income_factor:					
btw 35k and 75k – less than 35k	0.11493	0.16735	0.687	0.492	1.122
more than 75k – less than 35k	0.33351	0.18702	1.783	0.075	1.396
age	0.00262	0.00534	0.492	0.623	1.003
male:					
male – not male	-0.09305	0.13695	-0.679	0.497	0.911

Note. Estimates represent the log odds of "prefer_nuke = prefer nuclear strike" vs. "prefer_nuke = prefer ground war"

Binomial Logistic Regression

Model Fit Measures

Model	Deviance	AIC	R^2_{McF}
1	1154	1186	0.132

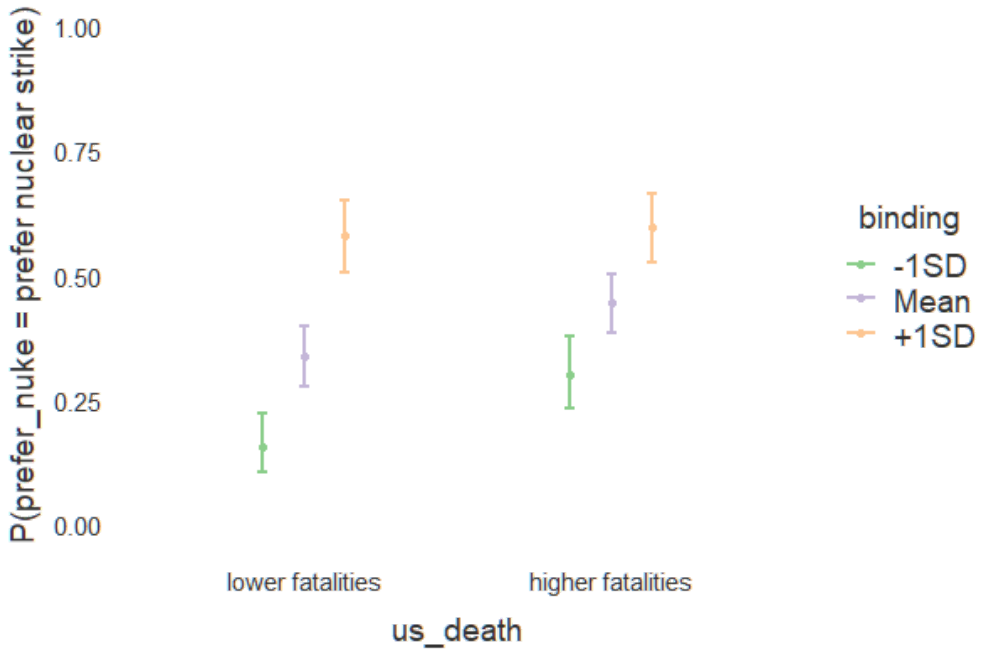
Model Coefficients - prefer_nuke

Predictor	Estimate	SE	Z	p	Odds ratio
Intercept	-0.61141	0.32451	-1.884	0.060	0.543
us_death:					
higher fatalities – lower fatalities	0.47072	0.15269	3.083	0.002	1.601
iran_death:					
higher fatalities – lower fatalities	-0.60074	0.15274	-3.933	< .001	0.548
edu_bin:					
college graduate – other	-0.09249	0.15507	-0.596	0.551	0.912
republican:					
yes – other	0.32562	0.16329	1.994	0.046	1.385
intpolitics_bin:					
interested – not interested	-0.25786	0.19434	-1.327	0.185	0.773
income_factor:					
btw 35k and 75k – less than 35k	0.05496	0.17806	0.309	0.758	1.057
more than 75k – less than 35k	0.32305	0.19852	1.627	0.104	1.381
age	0.00347	0.00565	0.614	0.539	1.003
male:					
male – not male	-0.12379	0.14736	-0.840	0.401	0.884
binding	0.96390	0.16169	5.961	< .001	2.622
individualizing	-0.42374	0.13781	-3.075	0.002	0.655
binding ✻ us_death:					
binding ✻ (higher fatalities – lower fatalities)	-0.40926	0.17652	-2.318	0.020	0.664
individualizing ✻ us_death:					
individualizing ✻ (higher fatalities – lower fatalities)	0.20085	0.15366	1.307	0.191	1.222
binding ✻ iran_death:					
binding ✻ (higher fatalities – lower fatalities)	0.19277	0.17315	1.113	0.266	1.213
individualizing ✻ iran_death:					
individualizing ✻ (higher fatalities – lower fatalities)	-0.09811	0.15076	-0.651	0.515	0.907

Note. Estimates represent the log odds of "prefer_nuke = prefer nuclear strike" vs. "prefer_nuke = prefer ground war"

Estimated Marginal Means

us_death ✻ binding



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Binomial Logistic Regression

Model Fit Measures

Model	Deviance	AIC	R^2_{McF}
1	1315	1323	0.0103

Model Coefficients - prefer_nuke

Predictor	Estimate	SE	Z	p	Odds ratio
Intercept	-0.4831	0.130	-3.703	< .001	0.617
us_death:					
higher fatalities – lower fatalities	0.3474	0.182	1.912	0.056	1.415
iran_death:					
higher fatalities – lower fatalities	-0.3337	0.190	-1.759	0.079	0.716
us_death ✻ iran_death:					
(higher fatalities – lower fatalities) ✻ (higher fatalities – lower fatalities)	-0.0670	0.263	-0.255	0.799	0.935

Note. Estimates represent the log odds of "prefer_nuke = prefer nuclear strike" vs. "prefer_nuke = prefer ground war"

Binomial Logistic Regression

Model Fit Measures

Model	Deviance	AIC	R^2_{McF}
1	1307	1315	0.00671

Model Coefficients - approve2_bin

Predictor	Estimate	SE	Z	p	Odds ratio
Intercept	-0.604	0.133	-4.557	< .001	0.547
us_death:					
higher fatalities – lower fatalities	0.372	0.184	2.025	0.043	1.451
iran_death:					
higher fatalities – lower fatalities	-0.156	0.190	-0.822	0.411	0.855
us_death ✻ iran_death:					
(higher fatalities – lower fatalities) ✻ (higher fatalities – lower fatalities)	-0.199	0.264	-0.755	0.450	0.819

Note. Estimates represent the log odds of "approve2_bin = approve" vs. "approve2_bin = disapprove"

References

[1] The jamovi project (2019). *jamovi*. (Version 1.1) [Computer Software]. Retrieved from https://www.jamovi.org.

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[3] Lenth, R. (2018). *emmeans: Estimated Marginal Means, aka Least-Squares Means*. [R package]. Retrieved from https://cran.r-project.org/package=emmeans.