Supplementary Materials

Studies 1a-1b-1c and Study 4.

For studies 1 and 4, we contacted former participants in unrelated research who had agreed to participate again in the future. We asked if they would be willing to complete a brief questionnaire (between 5-10 mins). None of the respondents lasted less than 5 or more than 30 mins, so all were included in the analyses. We now specify in the main text that no participants were excluded from the analyses.

Studies 2-3.

Studies 2 and 3 employed an experimental design. For such designs we needed to ensure that participants read and understood the experimental manipulation. Before conducting the experiments, we tested the time to read and respond to the questions. The results of this pretest indicated that at least 5 mins were necessary to ensure that participants read the manipulation and the questionnaire. When we later collected the data for experiments 2 and 3, we found that about 5% of participants responded in less than 5 mins and another 5% who responded in more than 30 mins (when responding online some participants are distracted by other tasks that could cause them to forget the manipulation). We deleted the overly brief and overly long responders from the analyses.

When all participants were included in the analyses of Study 2, all effects remain significant except for self-verification. In Study 3, all effects remain significant except for fusion at T2. However, although nonsignificant, these effects continued to indicate the same direction of the hypothesis. Additionally, the fact that the results were replicated in the other studies and that we followed similar exclusion criteria diminish our concerns about attrition.

Studies 5a-5b

Participants were identified by our team through the consultation of their corresponding prison files indicating the reason for their imprisonment and the group to which they belonged.

They were latter approached by a member of the staff (i.e., a psychologist or social worker who privately asked them if they would like to take part in an investigation conducted by the Universidad Nacional de Educación a Distancia (Spain's largest university) with the goal of exploring a series of questions about the belonging of inmates to different groups, their preferences about the groups they belong to and that are important to them, and about their thoughts and feelings about themselves during their stay in prison. We want to note that those inmates that in Spain want to make any kind of study as having access to a university degree, or that want to study a degree, they have to do it in the Universidad Nacional de Educación a Distancia, because this is the only national university in Spain (the other Universities are restricted to each of the 17 states), and it is a distance learning university with more than five decades of history. This means that all inmates in Spanish prisons are familiar with this university.

Those who agreed to participate were interviewed individually by one of the trained members of our research team in a private room within the prison complex, set up for the purpose of our research by prison staff to be free of outside recording systems and without any staff member in the room or in the corridors where the rooms were located. Participation was not rewarded. When the interview started, and after repeating again the goals of the interviews, participants were asked to read and acknowledge understanding of a document on human subjects protection, and then provided a document of informed consent that they signed if agreeing to participate in the interview. Participants were given details about (1) the nature, goals and procedure of the study; (2) the type of measures and questions included; and (3) the risks and benefits

associated with the study, the voluntary nature of participation, and the possibility to withdraw at any time without negative consequences.

Participants also learned that participation would not have any positive or negative impact in their sentence or treatment in prison, that personal information shared with interviewers would be kept confidential, that all their responses would be anonymized and that, in addition to human subjects protections guaranteed by Spanish authorities, they would be protected under the protocols of the university's ethical review board.

All the interviewers were trained to detect non-verbal signs of discomfort and lack of understanding and they inquired the participants about such signs and clarified any aspect of the study that had not been adequately grasped. All participants who exhibited signs of intellectual fragility, excessive anxiety and psychological disequilibrium or instability during the interview were automatically excluded from the study.

Participants responded to the questionnaire in an ipad using the magi-wise survey platform, which allows to combine traditional scales with dynamic measures. This platform was developed jointly by the first and second authors of this manuscript and by ARTIS international. We used the offline version of the platform, and once the interviewer had internet connection, he/she synchronize the platform and the data were accessible only to the first author of this manuscript.

The interviews were audio-recorded by the interviewer with the permission of the inmates. None of the interviewees refused to be recorded. The recordings were transcribed without including any specific detail that might allow the personal identification of the participants and destroyed afterwards. We did not inquire for identificatory information in the survey. Participants were identified by a random code

and all the data is kept exclusively in secure conditions by the project director The research abides to the terms of the Declaration of Helsinki. All methods were carried out in accordance with relevant guidelines and regulations.

Supplementary study

In this supplementary study we examined whether experimentally increasing fusion with one's group (country) would increase perceived self-verification by ingroup members and in turn willingness to fight and die for the group.

Method

Participants

Four hundred and twenty-three Spanish participants volunteered to participate in an online study about group processes. Participants received an invitation from undergraduate students from a distance learning university who received course credits if eight of their acquaintances participated completed the questionnaire. The final sample included 256 women and 167 men, mean age = 39.18, *SD* = 15.01. We performed a sensitivity analysis using G*Power (Erdfelder et al., 1996) to determine which would be the minimum effect size to reject the null hypothesis for an ANOVA (fixed effects, omnibus, one-way) assuming an alpha level of .05 and 80% power. The minimum effect size to reject the null hypothesis with a sample size of 423 participants was f =.137.

Procedure

Participants were invited to participate in an online study about group processes. They were first assigned to the experimental or control condition. Participants in the *experimental condition* were asked to reflect on and write about a time when they had a deep emotional bond with their country and they felt that they were strong because of it. Participants in the *control condition* were asked to reflect on and write about what they

had done the previous day. Finally, participants responded to a questionnaire including the same measures of identity fusion, self-verification, and willingness to fight and die as in previous studies = .84, .91, and .87, respectively.

Results and Discussion

Means, standard deviations and correlations are displayed in Table S1.

Table S1

Means, Standard Deviations and Correlations

	M (SD) Control	*M (SD)* Experimental	Fusion	Verification	Fight/die
Fusion	1.82 (1.05)	2.59 (1.17)		.44***	.47***
Verification	2.72 (1.38)	3.20 (1.35)	.38***		.29***
Fight/die	1.25 (1.04)	1.56 (1.26)	.51***	.20**	

Notes. Correlations above the diagonal correspond to the control condition. Correlations below the diagonal correspond to the experimental condition. *** $p < .001$, ** $p < .01$.

A series of ANOVAs examined the effects of the manipulation on the measures of fusion, perceived self-verification, and willingness to fight and die for the group. The analyses indicated that, relative to the control condition, participants in the experimental condition displayed higher levels of identity fusion, F (1, 421) = 51.29, $p < .001$, η^2_p = .11, perceived self-verification, F (1, 421) = 12.95, $p < .001$, η^2_p = .03, and willingness to fight and die for the group, F (1, 421) = 7.46, $p = .007$, η^2_p = .02.

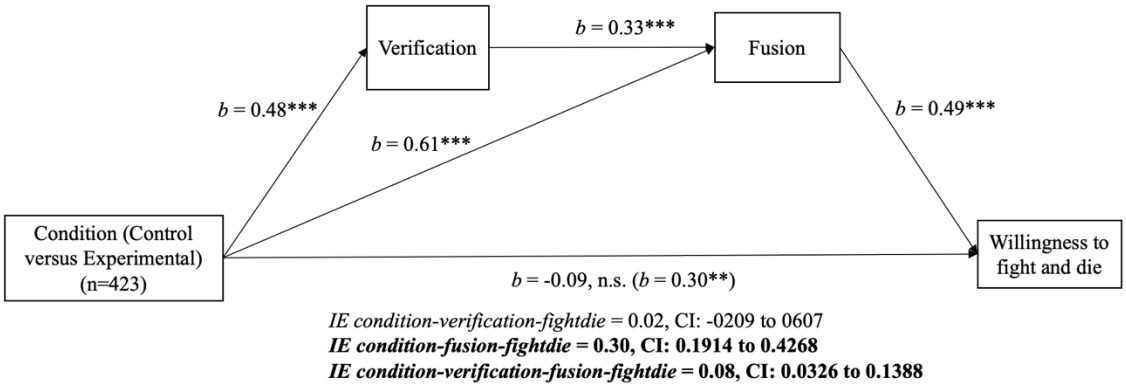
To test the hypothesis that the experimental manipulation would increase willingness to fight and die for the group mediated by augmenting identity fusion first, and self-verification second, we conducted a mediation analysis using the PROCESS macro (Model 6) from Hayes (2022). We included the experimental manipulation as predictor (0 control, 1 experimental), identity fusion as the first mediator, self-

verification as the second mediator, and willingness to fight and die as outcome. The indirect effects via verification and fusion sequentially, *IE* = 0.01, *CI* = -0.0162 to 0.0475; and self-verification alone, *IE* = 0.003, *CI* = -0.0094 to 0.0217, were not significant, whereas the indirect effect via fusion alone was significant, *IE* = 0.38, *CI* = 0.2530 to 0.5296.

The alternative model including self-verification as first moderator and fusion as second mediator indicated significant indirect effects via self-verification and fusion sequentially and fusion alone, but not via self-verification alone (see Figure S1).

Figure S1

The experimental condition increases willingness to fight and die for the group through increasing self-verification first, and fusion with the group second.



Notes. IE (Indirect effect), CI (95% confidence interval), n.s. (non-significant). *** $p <$ .001, ** $p <$ .01, * $p <$ .05.

These findings offer causal evidence that fusion predicts self-verification and willingness to fight and die. Participants in the experimental condition expressed higher fusion, self-verification and willingness to fight and die for the group than those in the control condition. However, self-verification alone did not mediate the effect of fusion on willingness to fight and die for the group.

Regression Diagnostics

STUDY 1A

Regression of verification on fusion

Model Fit Measures

Model	R	R^2
1	0.386	0.149

Model Coefficients - FUSION

Predictor	Estimate	SE	t	p
Intercept	1.137	0.164	6.946	< .001
VERIF	0.356	0.051	7.007	< .001

Data Summary

Data Summary

Cook's Distance

			Range	
Mean	Median	SD	Min	Max
0.004	0.001	0.009	0.000	0.069

Durbin–Watson Test for Autocorrelation

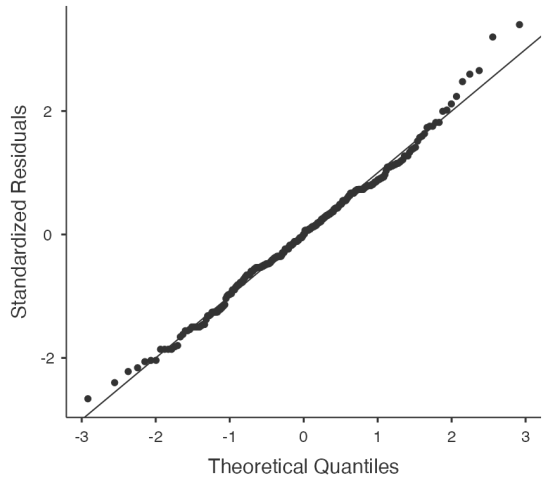
Autocorrelation	DW Statistic	p
0.097	1.784	0.064

Collinearity Statistics

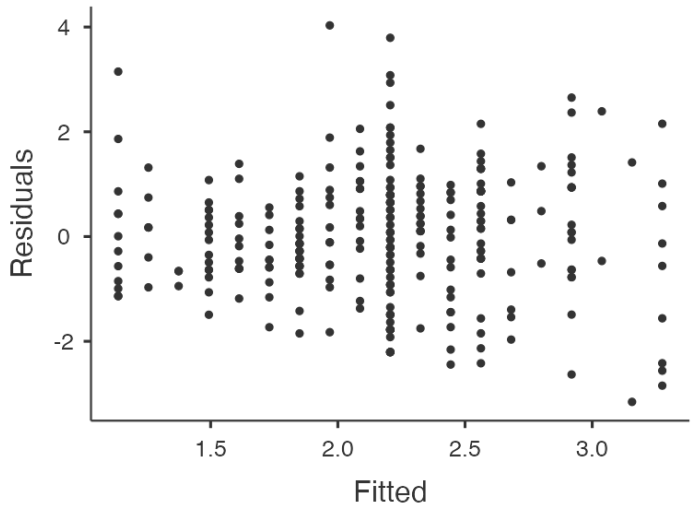
	VIF	Tolerance
VERIF	1.000	1.000

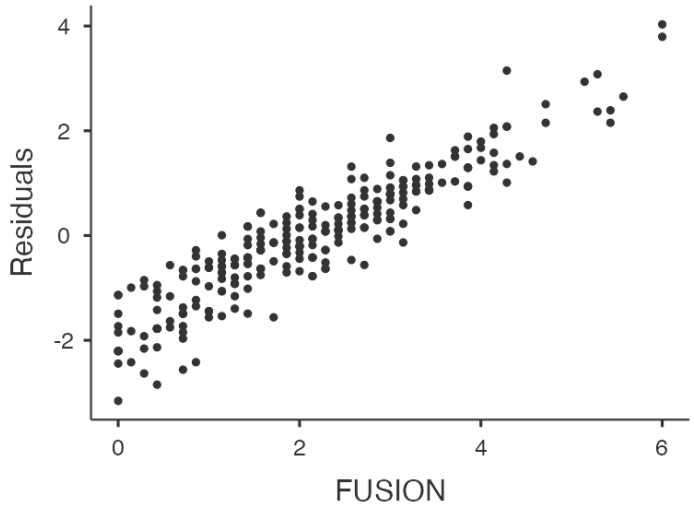
Normality Test (Shapiro-Wilk)	
Statistic	**p**
0.993	0.185

Q-Q Plot



Residuals Plots

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-2
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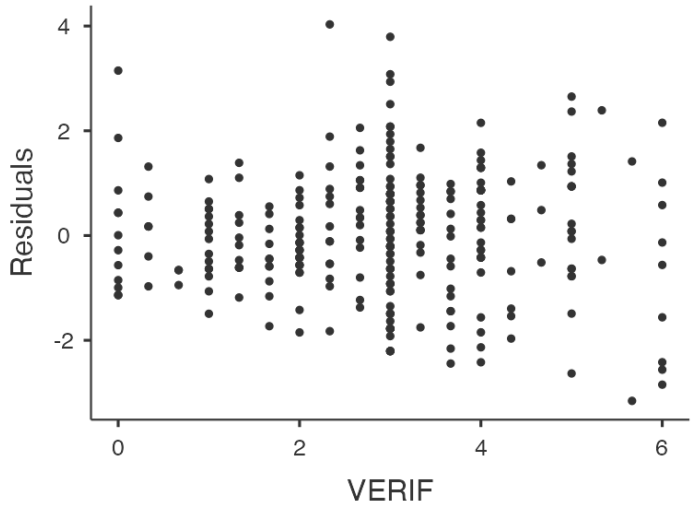
6
FUSION


Residuals
4
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-2
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2
4
6
VERIF

Regression of verification and fusion on willingness to fight and die

Model Fit Measures

Model	R	R^2
1	0.379	0.144

Model Coefficients - FIGHTDIE

Predictor	Estimate	SE	t	p
Intercept	0.715	0.173	4.142	< .001
VERIF	0.021	0.054	0.392	0.696
FUSION	0.359	0.058	6.167	< .001

Data Summary

Cook's Distance

			Range	
Mean	Median	SD	Min	Max
0.004	0.001	0.012	0.000	0.112

Assumption Checks

Durbin–Watson Test for Autocorrelation

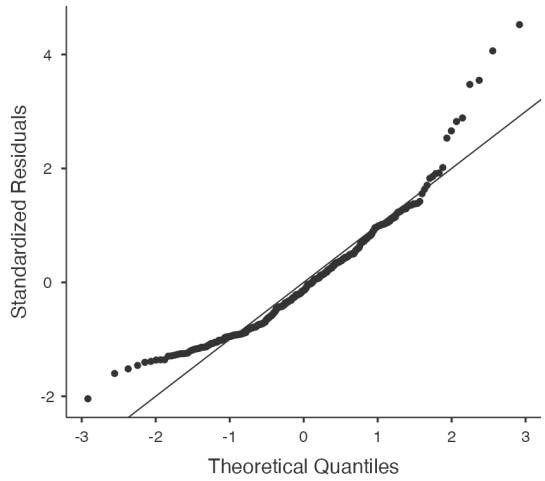
Autocorrelation	DW Statistic	p
0.010	1.976	0.810

Collinearity Statistics

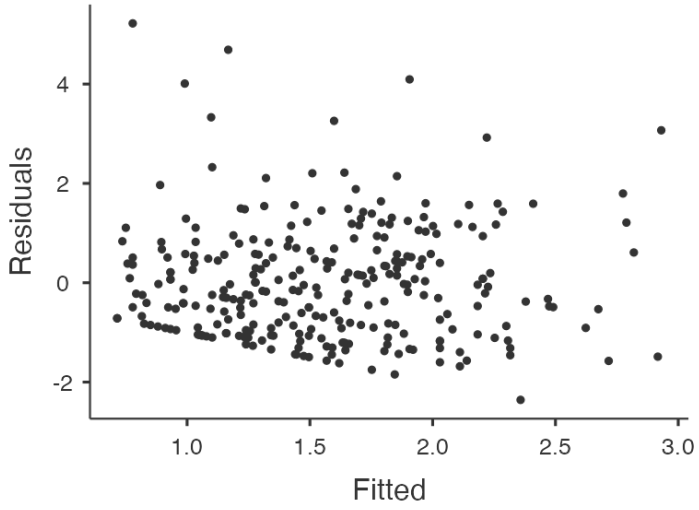
	VIF	Tolerance
VERIF	1.175	0.851
FUSION	1.175	0.851

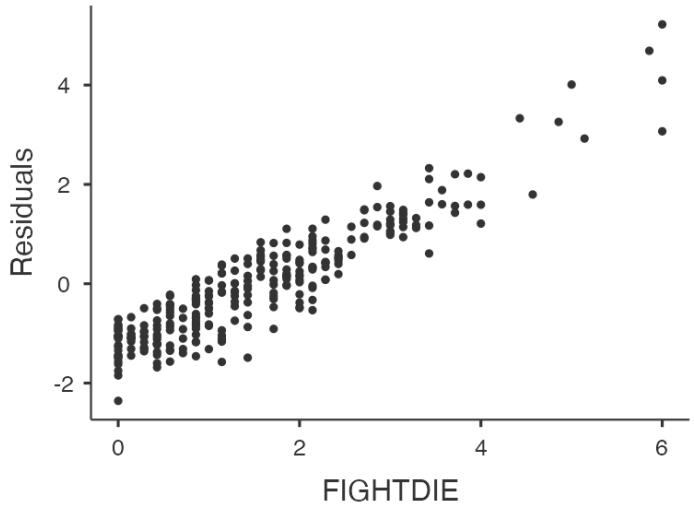
Normality Test (Shapiro-Wilk)	
Statistic	**p**
0.931	< .001

Q-Q Plot



Residuals Plots




Residuals
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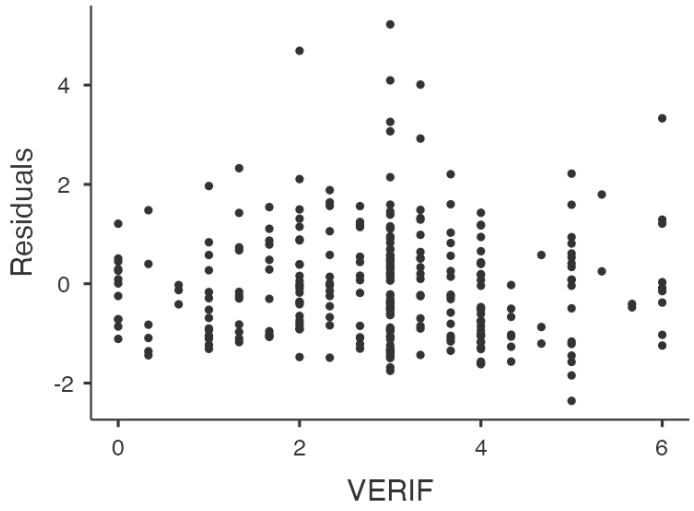
2
4
6
FIGHTDIE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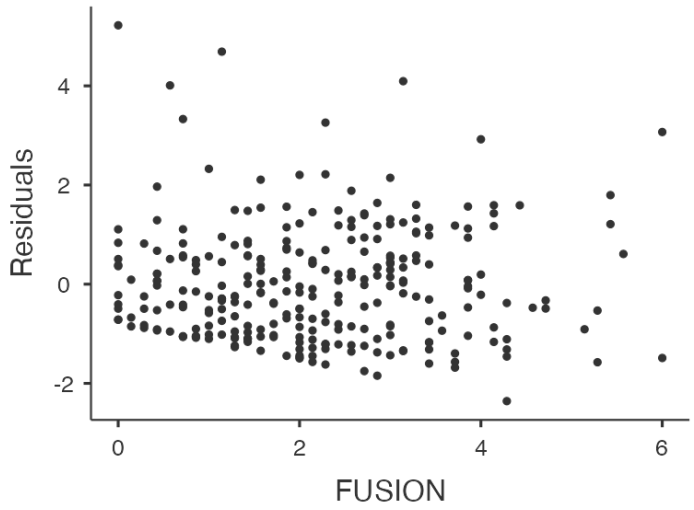
-2
0
2
4
6
VERIF


Residuals
4
2
0
-2
0
2
4
6
FUSION

STUDY 1B

Regression of verification on fusion

Model Fit Measures

Model	R	R^2
1	0.543	0.295

Model Coefficients - FUSION

Predictor	Estimate	SE	t	p
Intercept	1.314	0.121	10.828	< .001
VERIF	0.527	0.032	16.401	< .001

Data Summary

Cook's Distance

			Range	
Mean	Median	SD	Min	Max
0.002	0.001	0.004	0.000	0.050

Assumption Checks

Durbin–Watson Test for Autocorrelation

Autocorrelation	DW Statistic	p
0.130	1.733	< .001

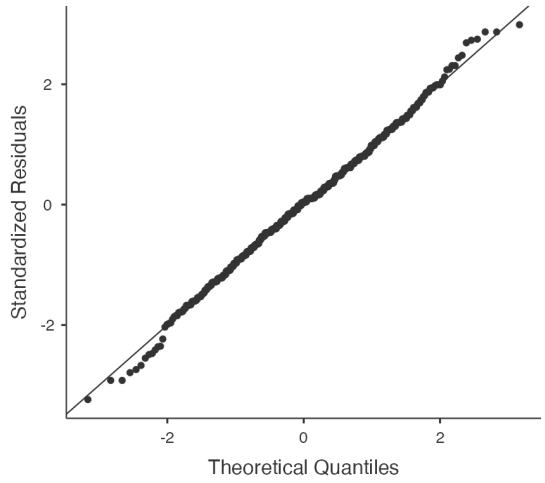
Collinearity Statistics

	VIF	Tolerance
VERIF	1.000	1.000

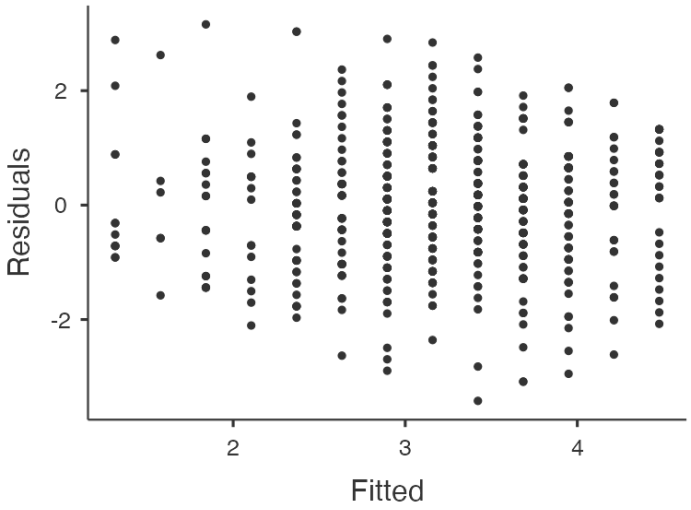
Normality Test (Shapiro-Wilk)

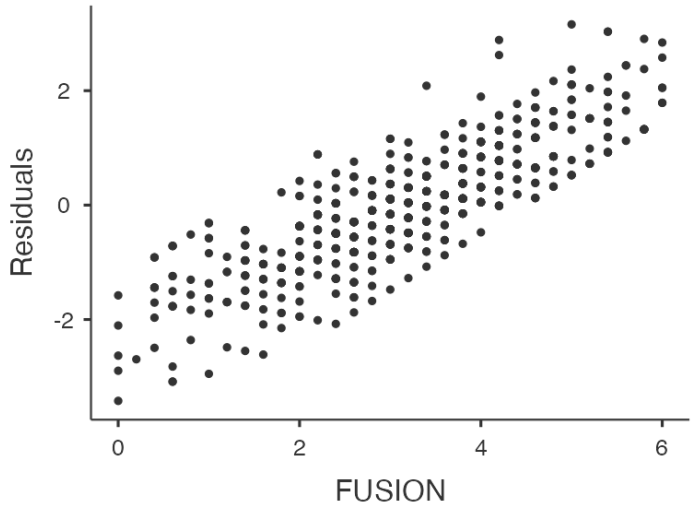
Statistic	p
0.997	0.198

Q-Q Plot



Residuals Plots




Residuals
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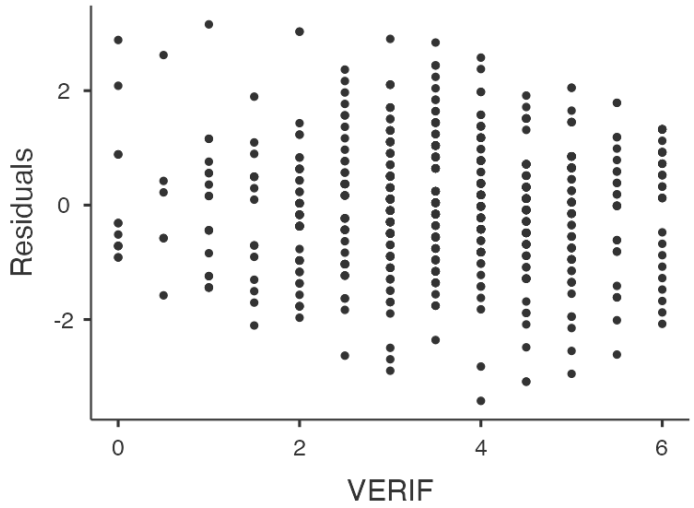
-2
0
2
4
6
FUSION


Residuals
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-2
0
2
4
6
VERIF

Regression of verification and fusion on willingness to fight and die

Model Fit Measures

Model	R	R^2
1	0.188	0.035

Model Coefficients - FIGHTDIE

Predictor	Estimate	SE	t	p
Intercept	1.560	0.148	10.577	< .001
VERIF	0.066	0.043	1.532	0.126
FUSION	0.134	0.044	3.036	0.002

Data Summary

Cook's Distance

			Range	
Mean	Median	SD	Min	Max
0.002	0.001	0.004	0.000	0.060

Assumption Checks

Durbin–Watson Test for Autocorrelation

Autocorrelation	DW Statistic	p
0.057	1.881	0.116

Collinearity Statistics

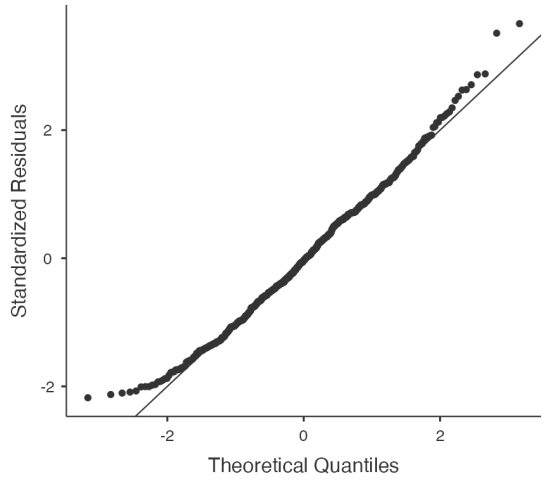
	VIF	Tolerance
VERIF	1.419	0.705
FUSION	1.419	0.705

Normality Test (Shapiro-Wilk)

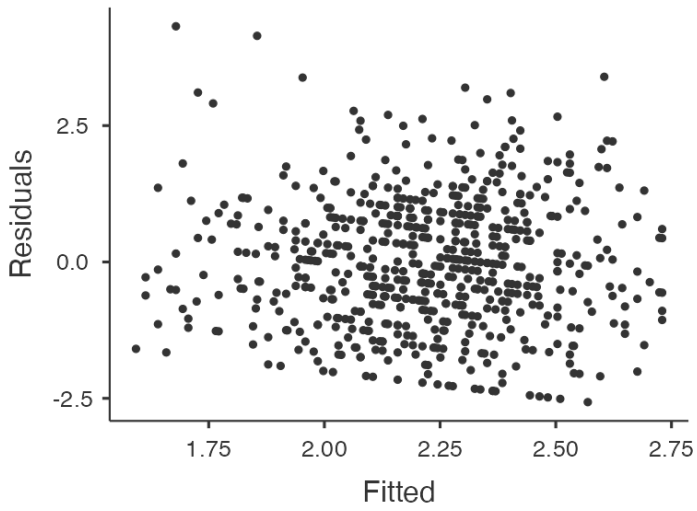
Statistic	p
0.991	< .001

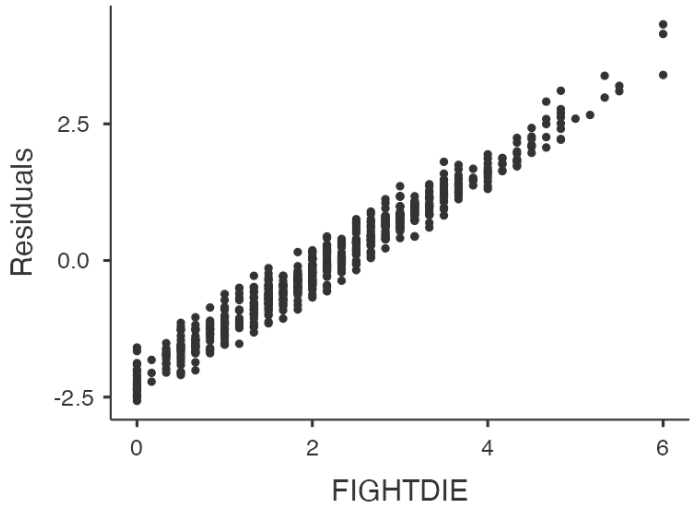
Normality Test (Shapiro-Wilk)	
Statistic	**p**

Q-Q Plot



Residuals Plots

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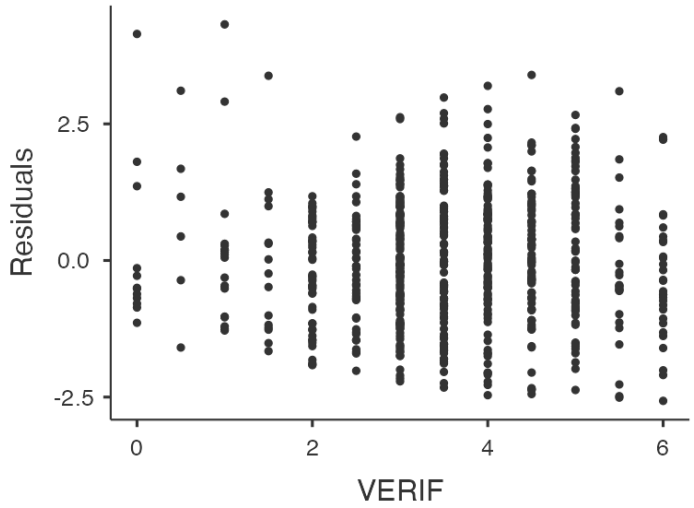
0.0
-2.5
0
2
4
6
FIGHTDIE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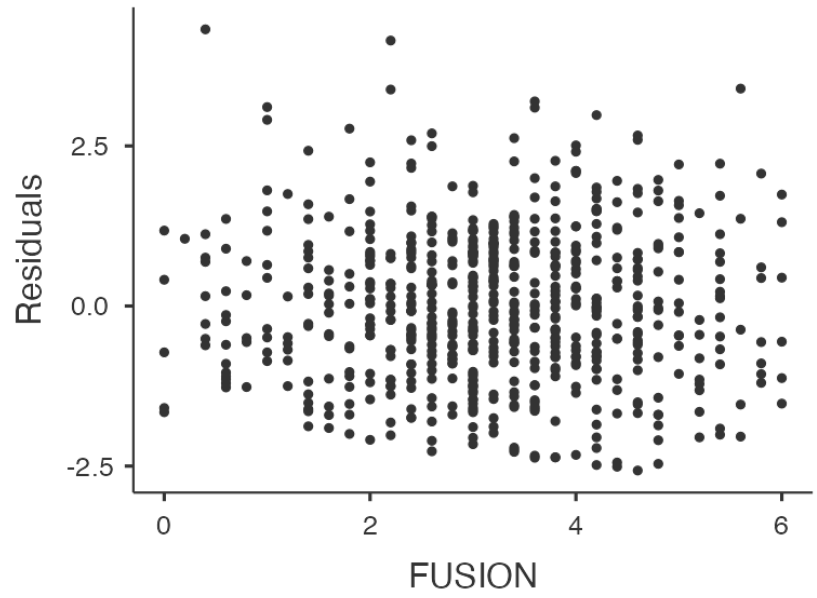
VERIF


Residuals
2.5
0.0
-2.5
0
2
4
6
FUSION

STUDY 1c

Regression of verification on fusion

Model Fit Measures

Model	R	R^2
1	0.609	0.371

Model Coefficients - FUSION

Predictor	Estimate	SE	t	p
Intercept	0.401	0.125	3.196	0.002
VERIF	0.394	0.043	9.191	< .001

Data Summary

Cook's Distance

			Range	
Mean	Median	SD	Min	Max
0.006	0.002	0.011	0.000	0.060

Assumption Checks

Durbin–Watson Test for Autocorrelation

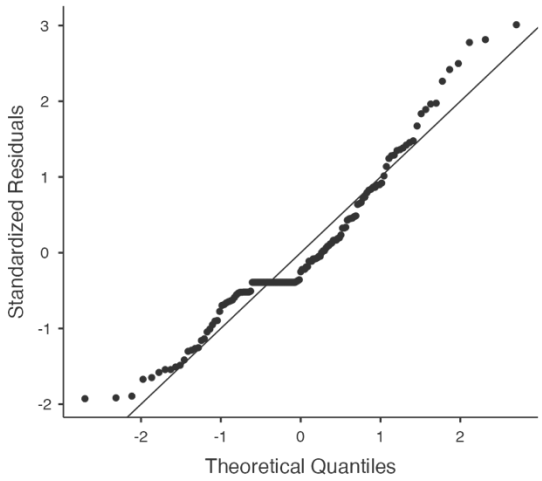
Autocorrelation	DW Statistic	p
0.060	1.879	0.468

Collinearity Statistics

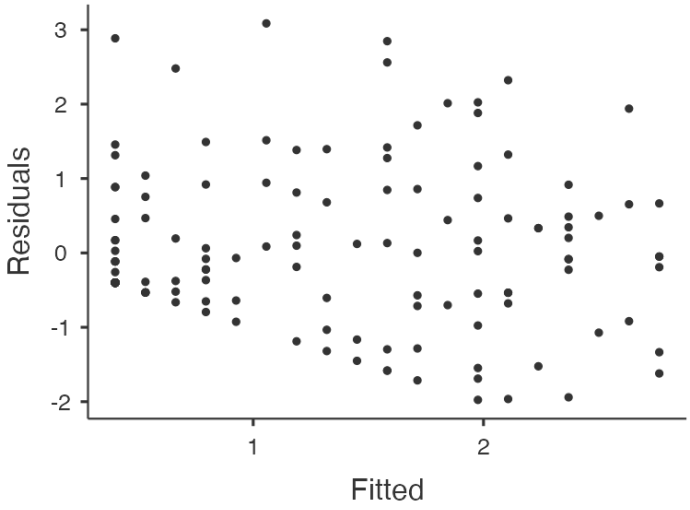
	VIF	Tolerance
VERIF	1.000	1.000

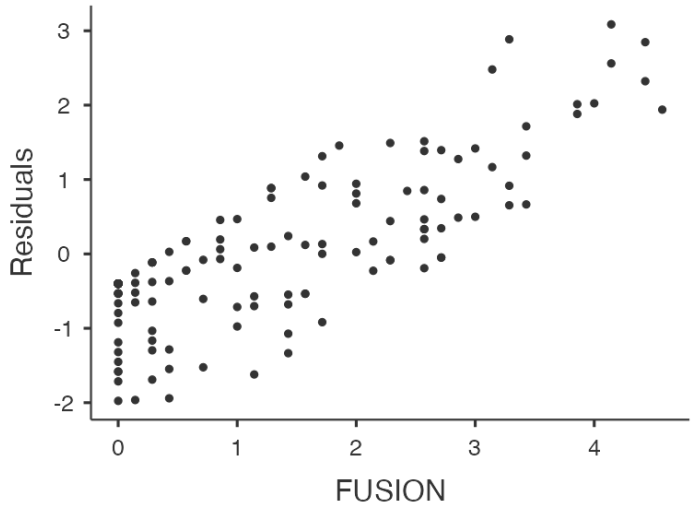
Normality Test (Shapiro-Wilk)	
Statistic	**p**
0.945	< .001

Q-Q Plot



Residuals Plots




Residuals
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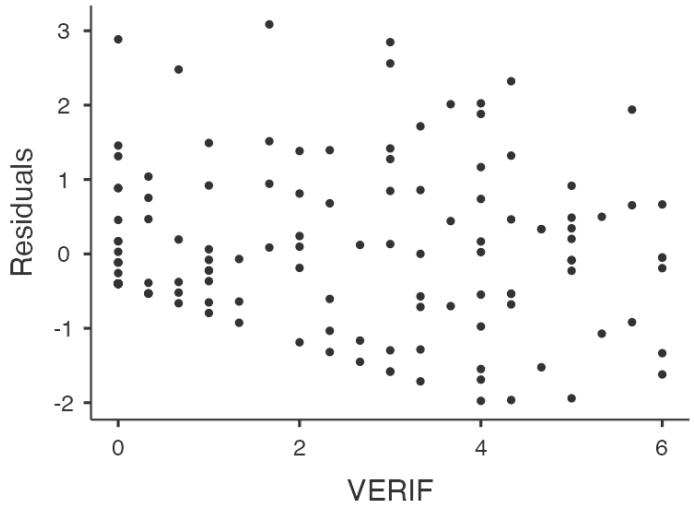
FUSION


Residuals
3
2
1
0
-1
-2
0
2
4
6
VERIF

Regression of verification and fusion on willingness to fight and die

Model Fit Measures

Model	R	R^2
1	0.513	0.263

Model Coefficients - FIGHTDIE

Predictor	Estimate	SE	t	p
Intercept	0.239	0.102	2.339	0.021
VERIF	0.035	0.042	0.833	0.406
FUSION	0.335	0.066	5.093	< .001

Data Summary

Cook's Distance

			Range	
Mean	Median	SD	Min	Max
0.008	0.001	0.021	0.000	0.148

Assumption Checks

Durbin–Watson Test for Autocorrelation

Autocorrelation	DW Statistic	p
-0.121	2.223	0.156

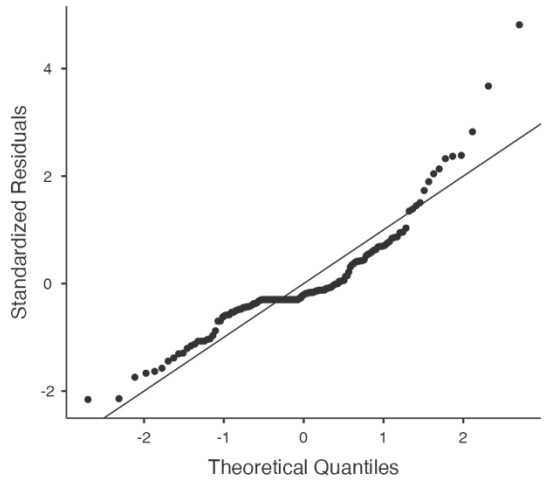
Collinearity Statistics

	VIF	Tolerance
VERIF	1.591	0.629
FUSION	1.591	0.629

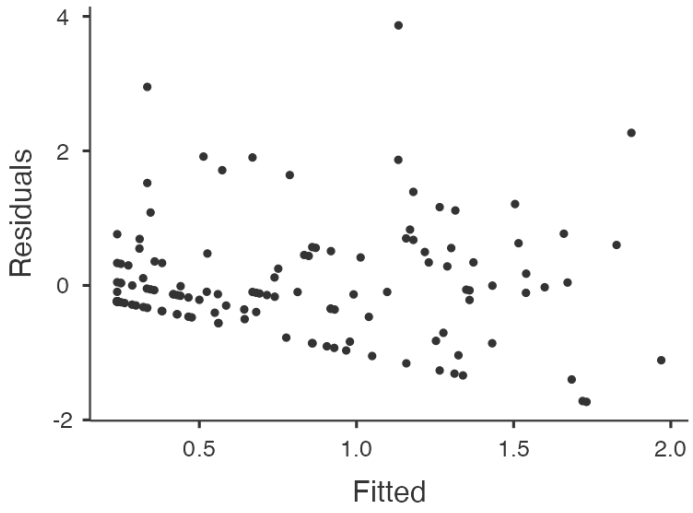
Normality Test (Shapiro-Wilk)

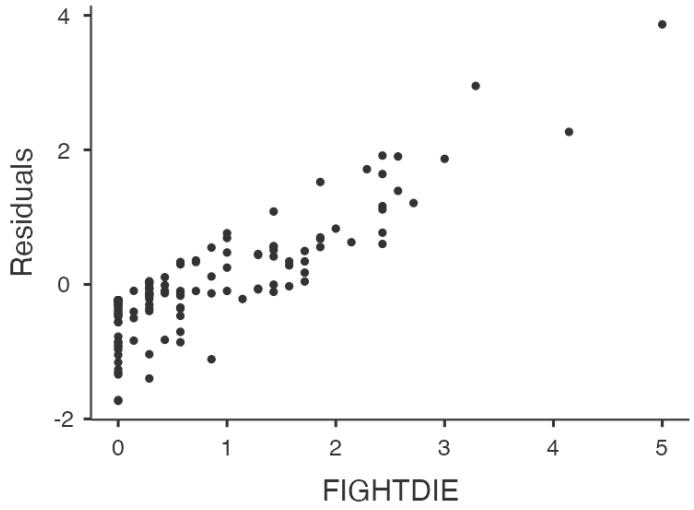
Statistic	p
0.880	< .001

Q-Q Plot



Residuals Plots




Residuals
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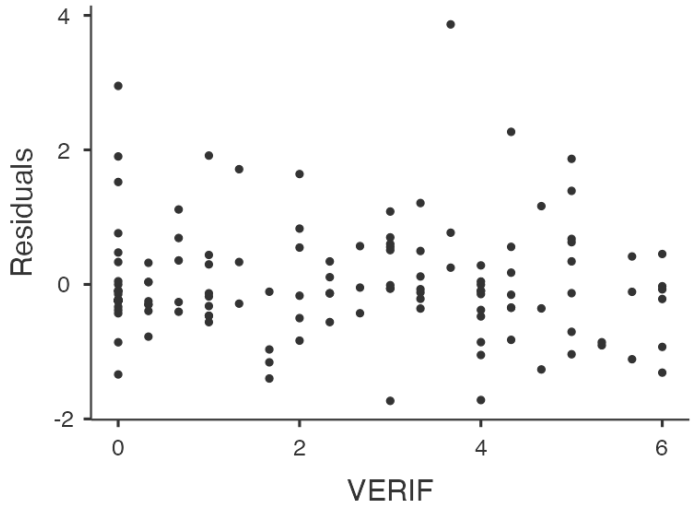
FIGHTDIE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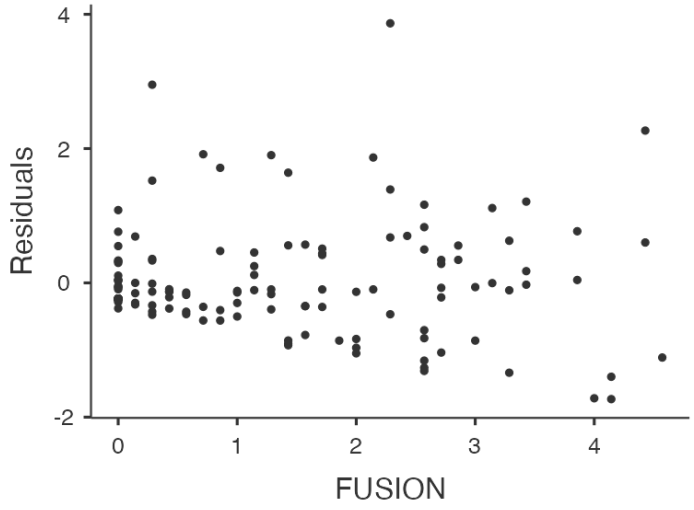
VERIF


Residuals
4
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0
1
2
3
4
FUSION

STUDY 2

Regression of condition on verification

Model Fit Measures

Model	R	R^2
1	0.323	0.104

Model Coefficients - VERIFIC

Predictor	Estimate	SE	t	p
Intercept	2.747	0.165	16.690	< .001
CONDIT	0.820	0.227	3.613	< .001

Data Summary

Cook's Distance

			Range	
Mean	Median	SD	Min	Max
0.009	0.002	0.014	0.000	0.070

Assumption Checks

Durbin–Watson Test for Autocorrelation

Autocorrelation	DW Statistic	p
0.040	1.820	0.282

Collinearity Statistics

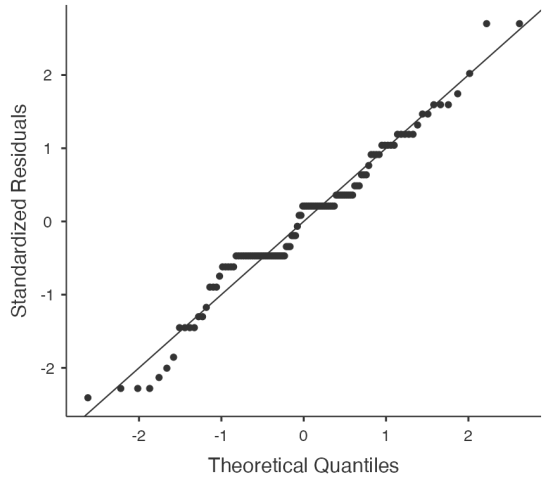
	VIF	Tolerance
CONDIT	1.000	1.000

Normality Test (Shapiro-Wilk)

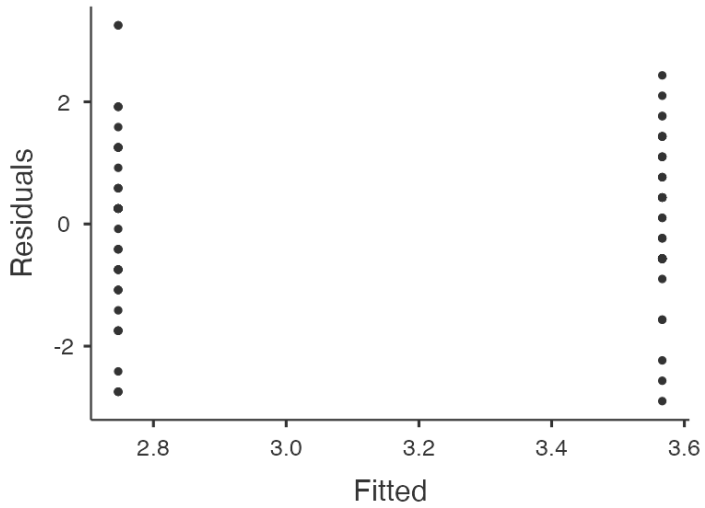
Statistic	p
0.972	0.017

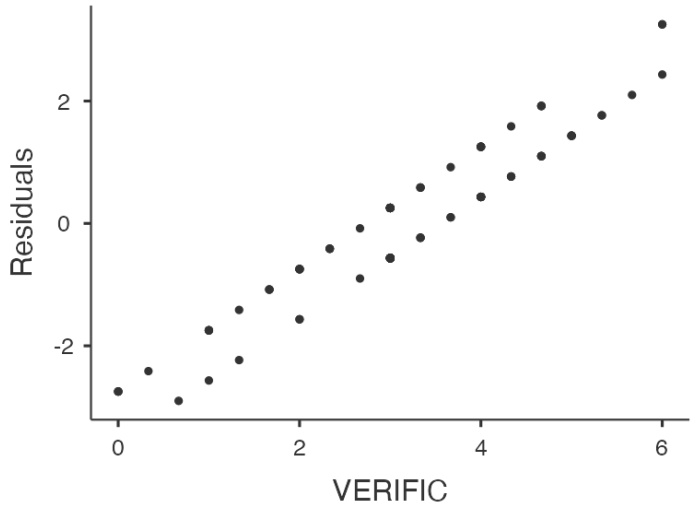
Normality Test (Shapiro-Wilk)	
Statistic	**p**

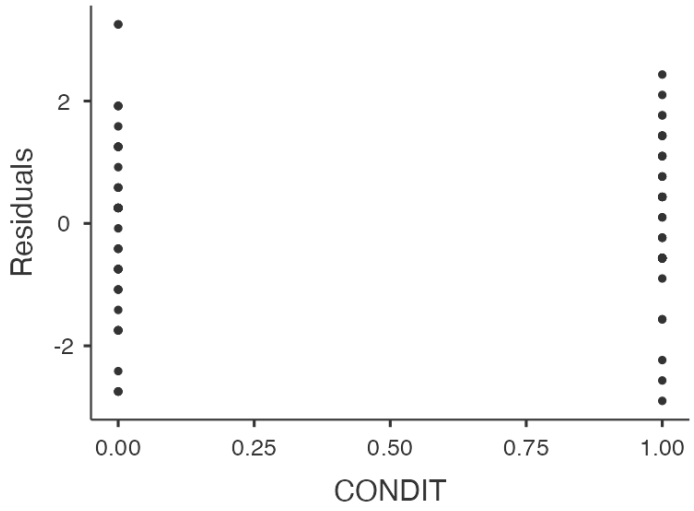
Q-Q Plot



Residuals Plots




Residuals
2
0
-2
0
2
4
6
VERIFIC


Residuals
2
0
-2
0.00
0.25
0.50
0.75
1.00
CONDIT

Regression of condition and verification on fusion

Model Fit Measures

Model	R	R^2
1	0.297	0.088

Model Coefficients - FUSION

Predictor	Estimate	SE	t	p
Intercept	1.551	0.263	5.900	< .001
CONDIT	0.300	0.205	1.464	0.146
VERIFIC	0.186	0.081	2.306	0.023

Data Summary

Cook's Distance

			Range	
Mean	Median	SD	Min	Max
0.009	0.005	0.012	0.000	0.074

Assumption Checks

Durbin–Watson Test for Autocorrelation

Autocorrelation	DW Statistic	p
0.122	1.753	0.180

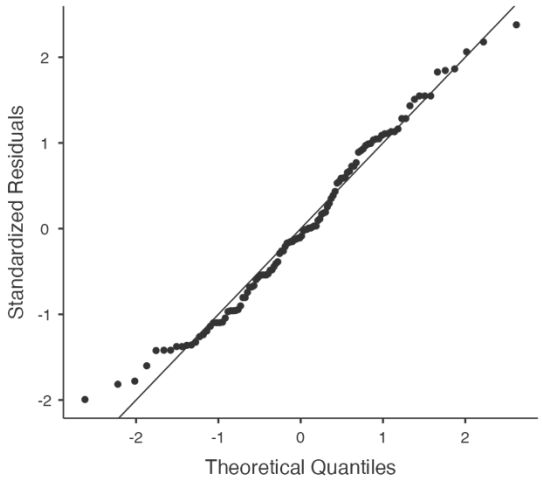
Collinearity Statistics

	VIF	Tolerance
CONDIT	1.117	0.896
VERIFIC	1.117	0.896

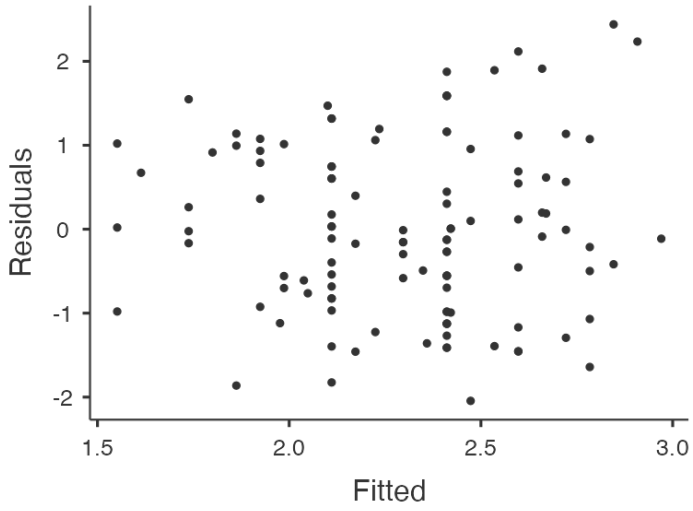
Normality Test (Shapiro-Wilk)

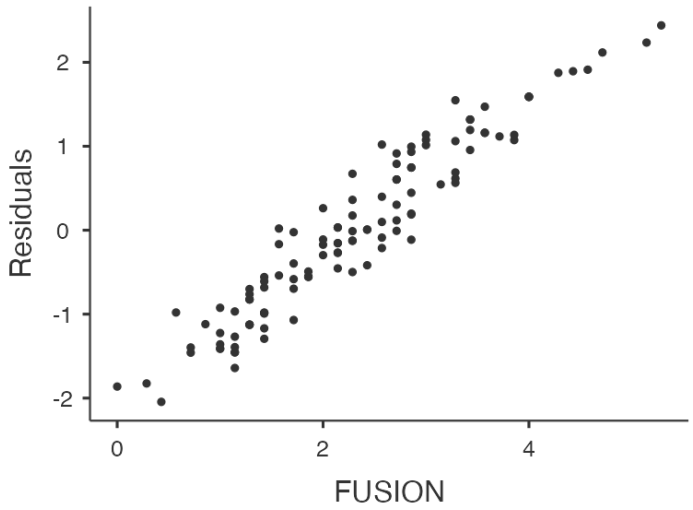
Statistic	p
0.980	0.091

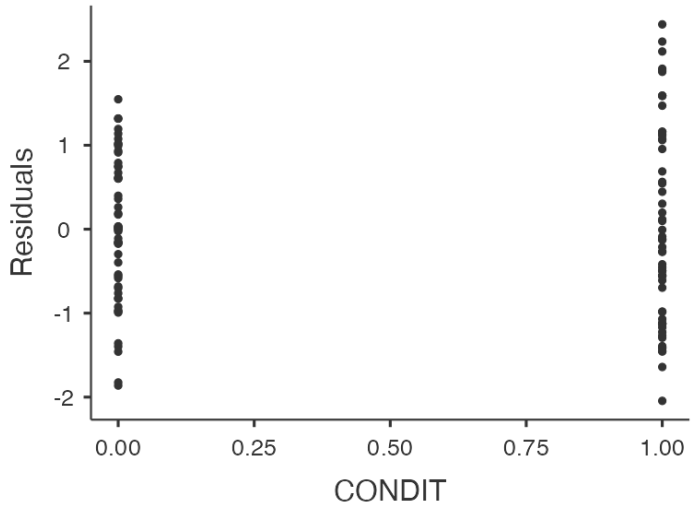
Q-Q Plot

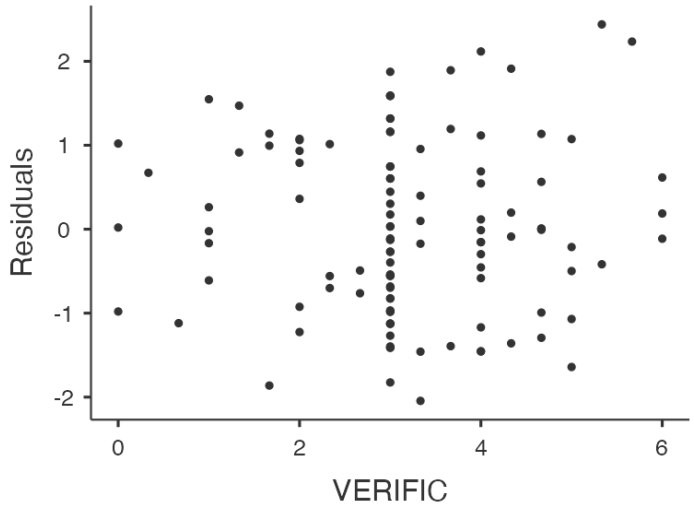


Residuals Plots









Regression of condition, verification and fusion on willingness to fight and die

Model Fit Measures

Model	R	R^2
1	0.634	0.402

Model Coefficients - FIGHTDIE

Predictor	Estimate	SE	t	p
Intercept	-0.391	0.227	-1.721	0.088
CONDIT	0.263	0.156	1.682	0.095
VERIFIC	-0.067	0.062	-1.068	0.288
FUSION	0.569	0.072	7.953	< .001

Data Summary

Cook's Distance

			Range	
Mean	**Median**	**SD**	**Min**	**Max**
0.012	0.003	0.041	0.000	0.417

Assumption Checks

Durbin–Watson Test for Autocorrelation

Autocorrelation	**DW Statistic**	**p**
-0.045	2.062	0.864

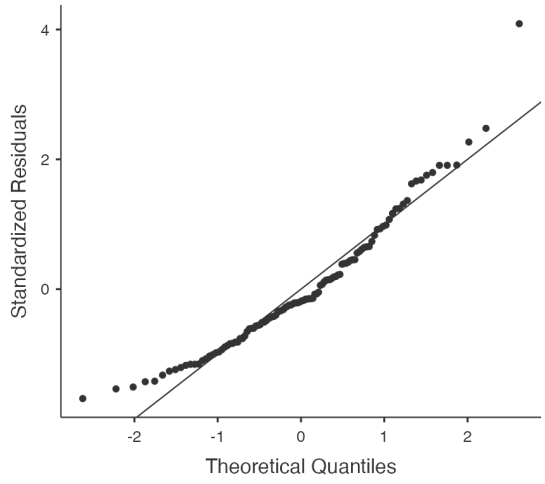
Collinearity Statistics

	VIF	**Tolerance**
CONDIT	1.138	0.879
VERIFIC	1.170	0.855
FUSION	1.097	0.912

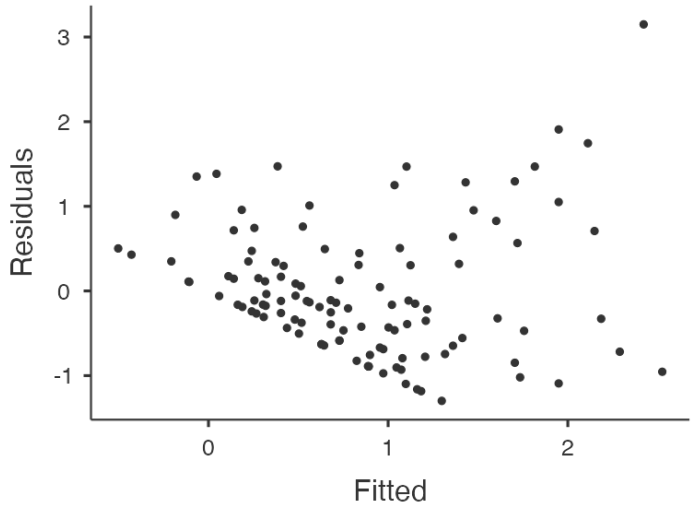
Normality Test (Shapiro-Wilk)

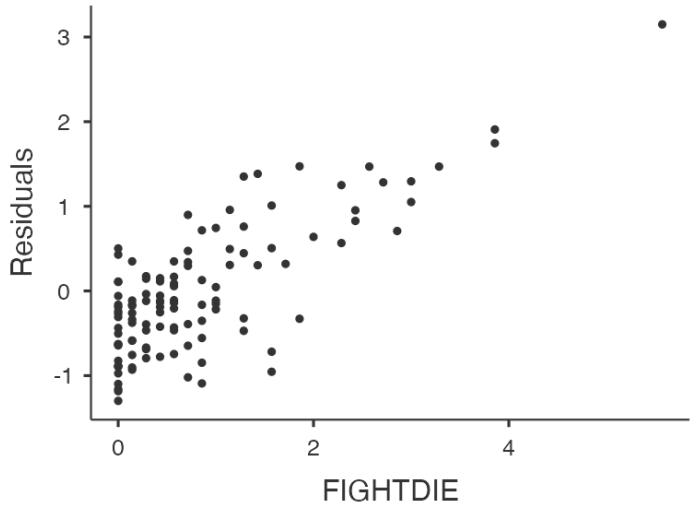
Statistic	**p**
0.943	< .001

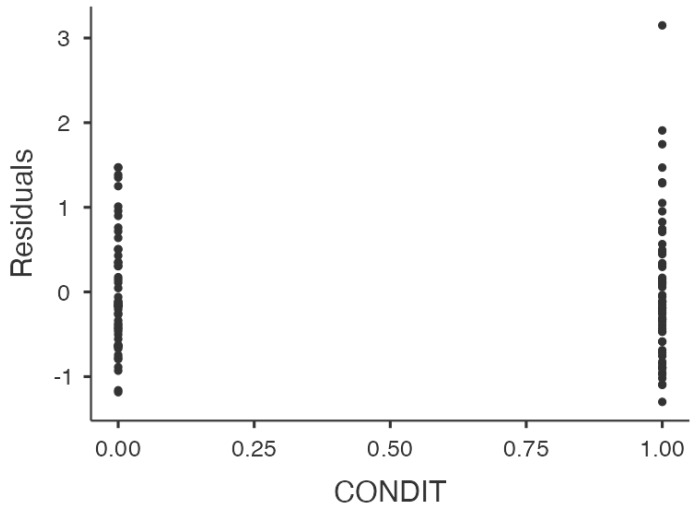
Q-Q Plot

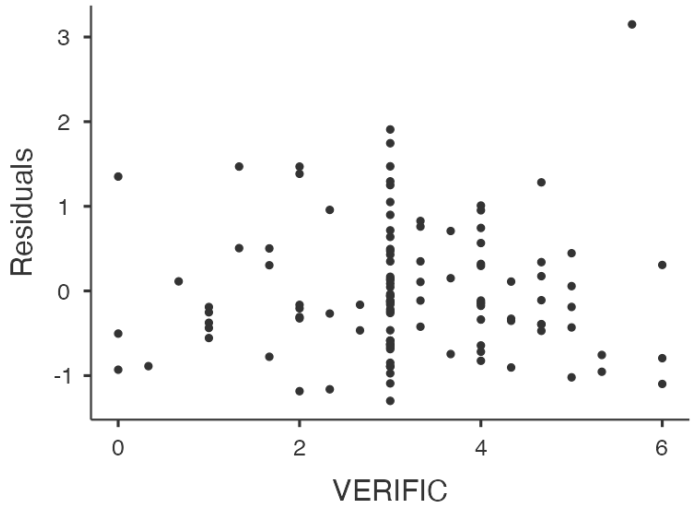


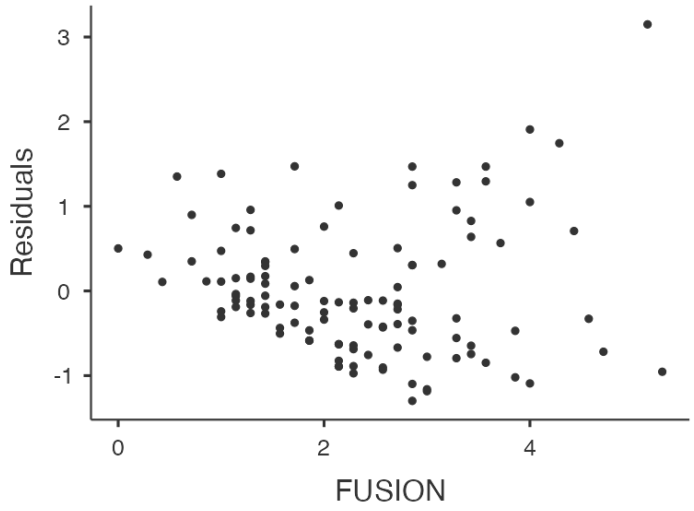
Residuals Plots








Residuals
3
2
1
0
-1
0
2
4
6
VERIFIC


Residuals
3
2
1
0
-1
0
2
4
FUSION

STUDY 3

Regression of condition on verification controlling by fusion T1

Model Fit Measures

Model	R	R^2
1	0.259	0.067

Model Coefficients - VERIF

Predictor	Estimate	SE	t	p
Intercept	2.924	0.184	15.893	< .001
CONDIT	0.486	0.165	2.944	0.004
FUS_T1	0.151	0.064	2.371	0.019

Data Summary

Cook's Distance

			Range	
Mean	Median	SD	Min	Max
0.005	0.001	0.008	0.000	0.052

Assumption Checks

Durbin–Watson Test for Autocorrelation

Autocorrelation	DW Statistic	p
-0.054	2.100	0.520

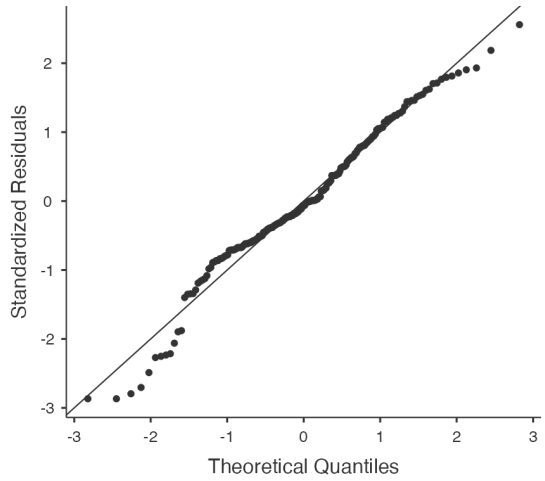
Collinearity Statistics

	VIF	Tolerance
CONDIT	1.001	0.999
FUS_T1	1.001	0.999

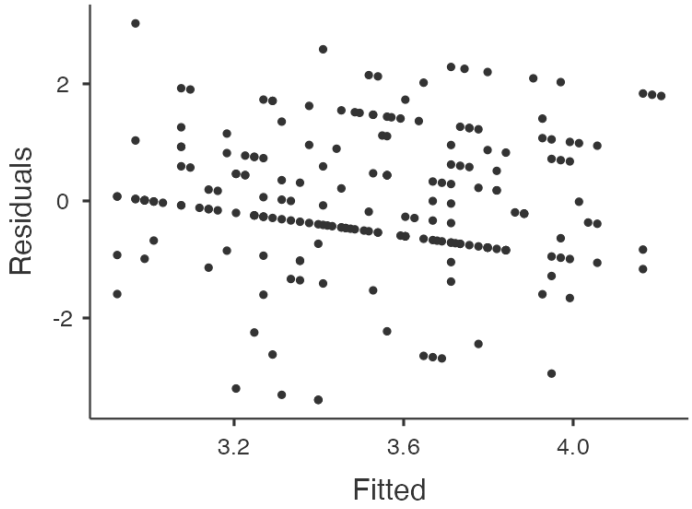
Normality Test (Shapiro-Wilk)

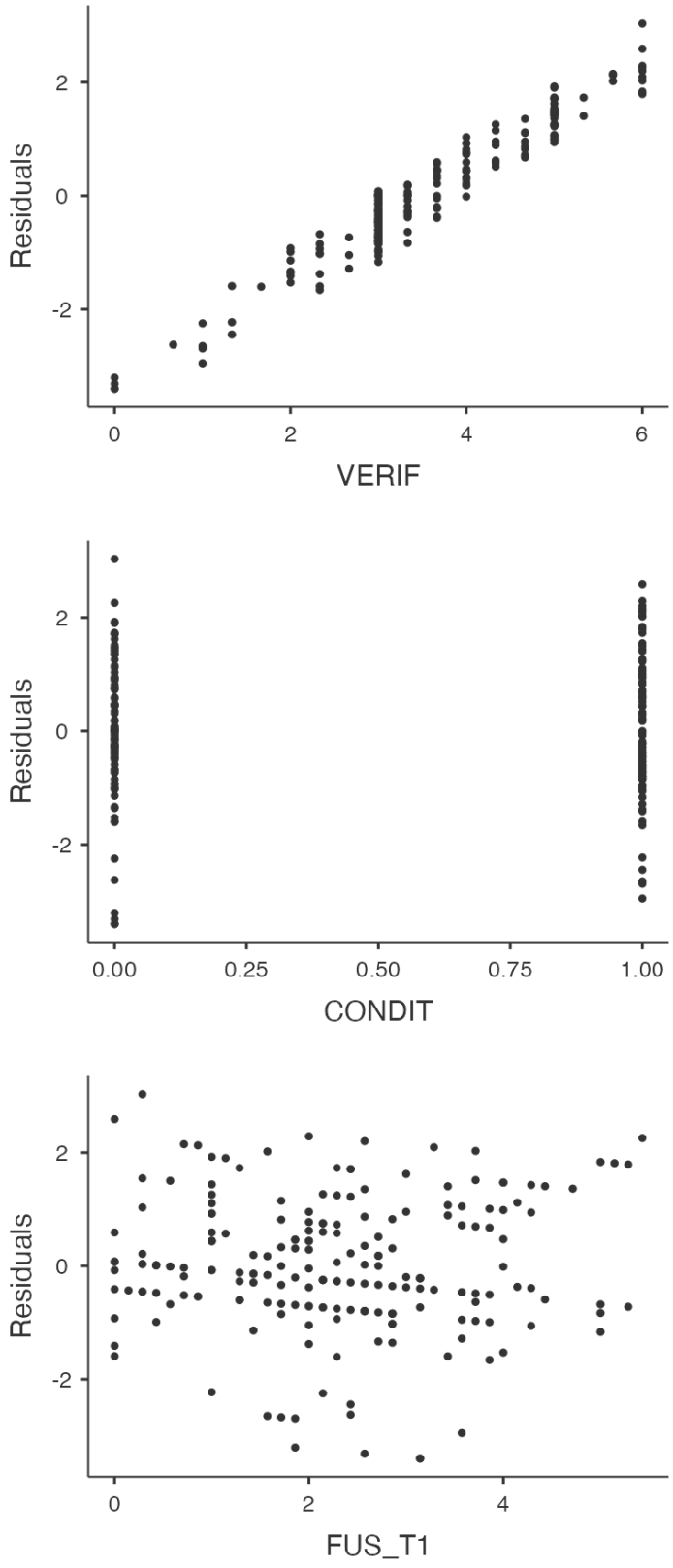
Statistic	p
0.978	0.002

Q-Q Plot



Residuals Plots





Regression of the condition and verification on fusion T2 controlling by fusion T1

Model Fit Measures

Model	R	R^2
1	0.570	0.325

Model Coefficients - FUS_T2

Predictor	Estimate	SE	t	p
Intercept	0.149	0.264	0.564	0.573
CONDIT	0.741	0.162	4.583	< .001
VERIF	0.293	0.067	4.382	< .001
FUS_T1	0.370	0.062	5.972	< .001

Data Summary

Cook's Distance

			Range	
Mean	Median	SD	Min	Max
0.006	0.002	0.014	0.000	0.115

Assumption Checks

Durbin–Watson Test for Autocorrelation

Autocorrelation	DW Statistic	p
0.158	1.676	0.016

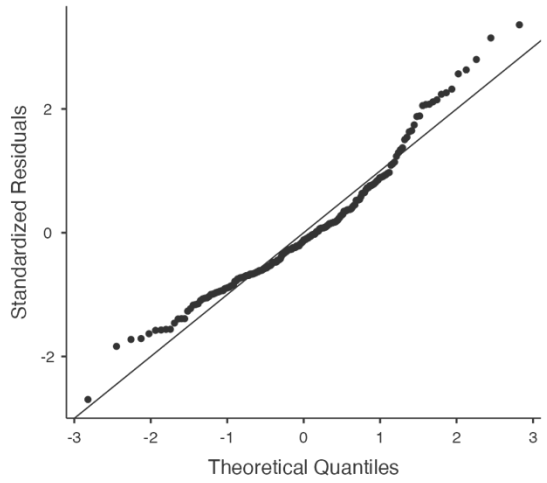
Collinearity Statistics

	VIF	Tolerance
CONDIT	1.043	0.959
VERIF	1.072	0.933
FUS_T1	1.028	0.972

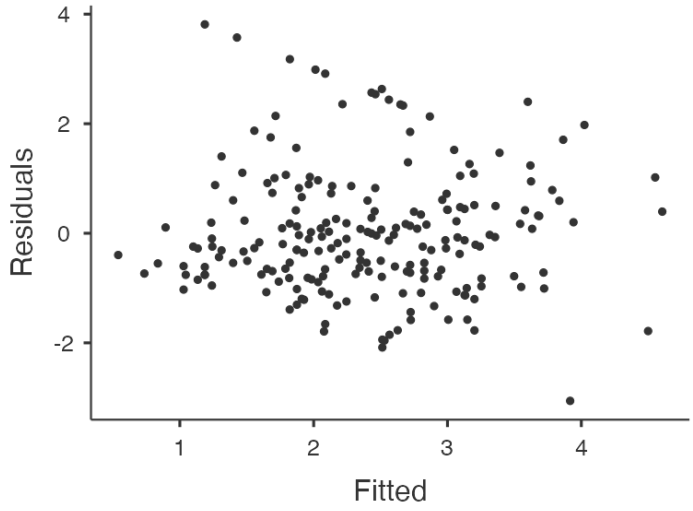
Normality Test (Shapiro-Wilk)

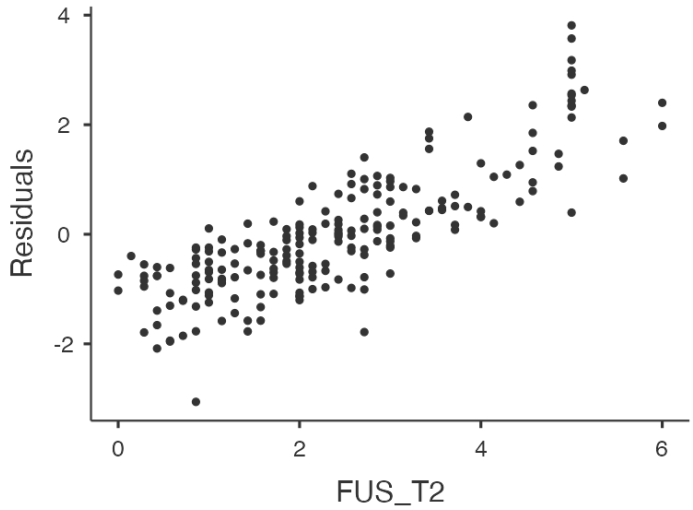
Statistic	p
0.958	< .001

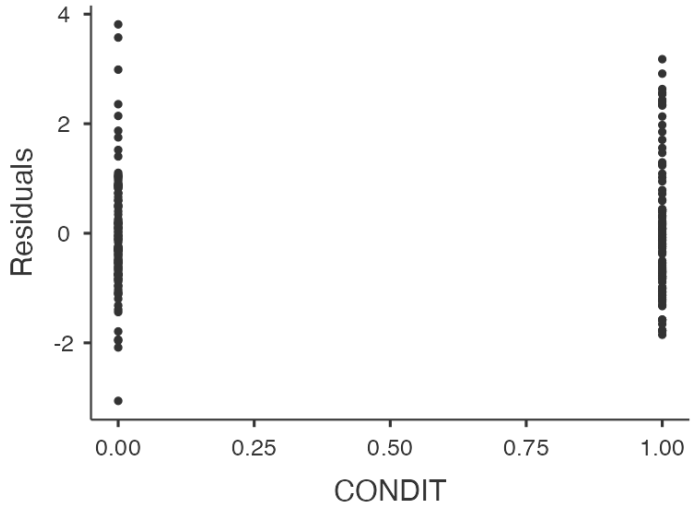
Q-Q Plot

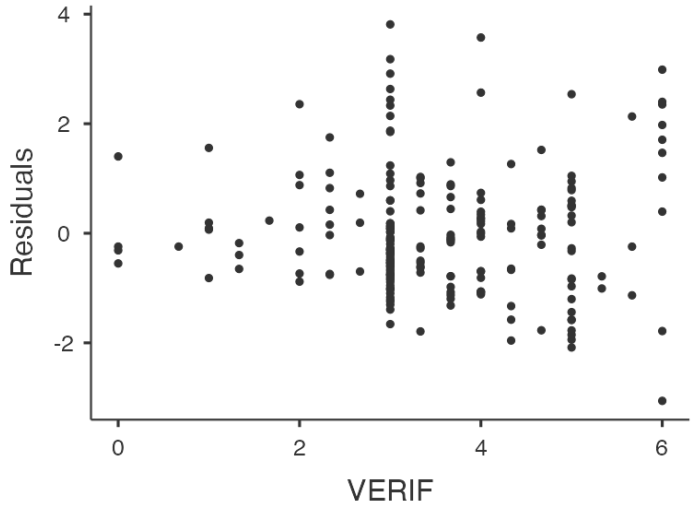


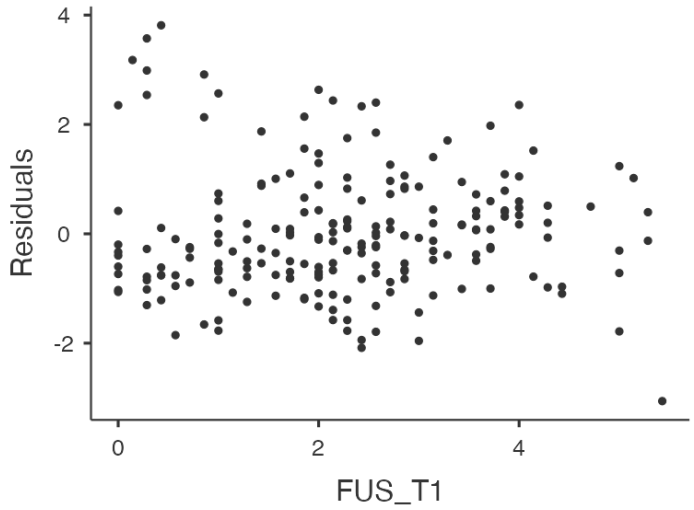
Residuals Plots






Residuals
4
2
0
-2
0.00
0.25
0.50
0.75
1.00
CONDIT


Residuals
4
2
0
-2
0
2
4
6
VERIF


Residuals
4
2
0
-2
0
2
4
FUS_T1

Regression of the condition, verification, and fusion T2 on willingness to fight and die controlling by fusion T1

Model Fit Measures

Model	R	R^2
1	0.550	0.303

Model Coefficients - FIGHTDIE

Predictor	Estimate	SE	t	p
Intercept	-0.085	0.204	-0.415	0.679
CONDIT	0.061	0.131	0.466	0.642
VERIF	-0.052	0.054	-0.963	0.337
FUS_T2	0.364	0.054	6.732	< .001
FUS_T1	0.127	0.052	2.451	0.015

Data Summary

Cook's Distance

			Range	
Mean	Median	SD	Min	Max
0.006	0.001	0.019	0.000	0.195

Assumption Checks

Durbin–Watson Test for Autocorrelation

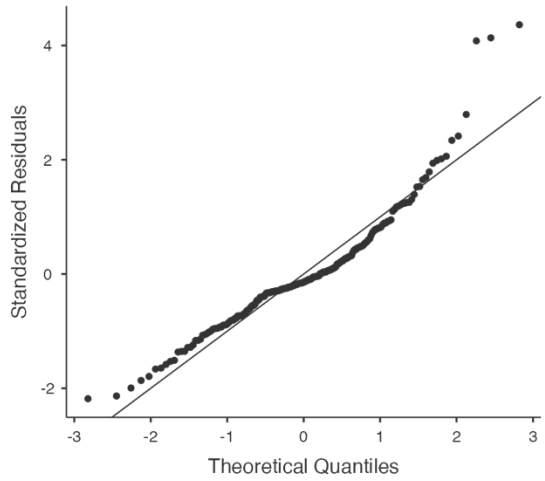
Autocorrelation	DW Statistic	p
0.061	1.874	0.292

Collinearity Statistics

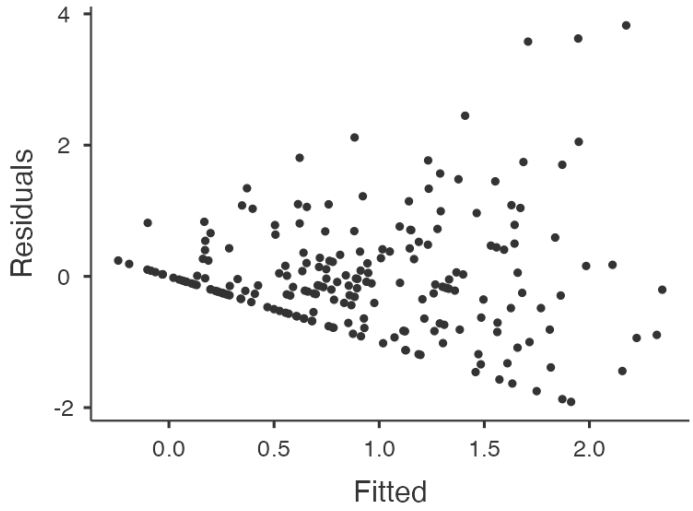
	VIF	Tolerance
CONDIT	1.150	0.869
VERIF	1.172	0.853
FUS_T2	1.482	0.675
FUS_T1	1.207	0.828

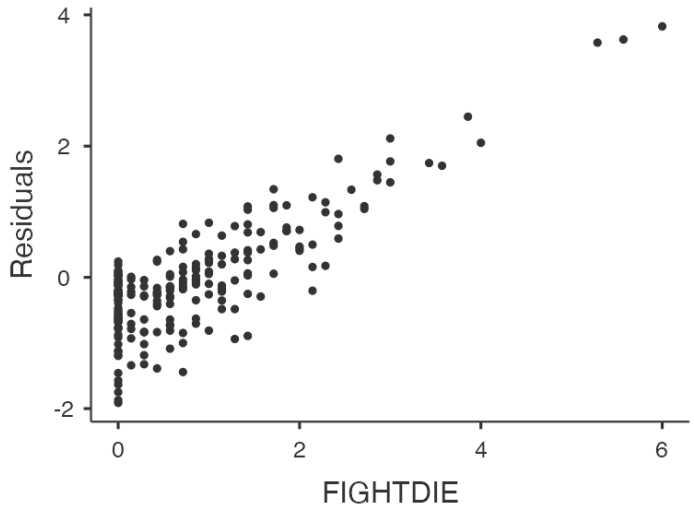
Normality Test (Shapiro-Wilk)	
Statistic	**p**
0.923	< .001

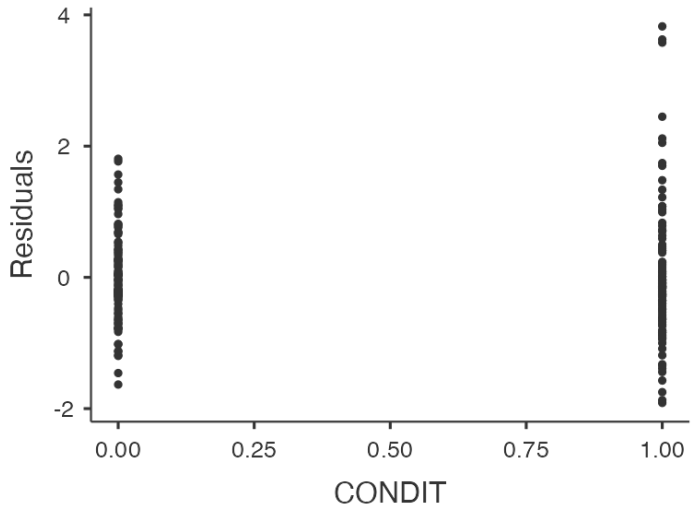
Q-Q Plot

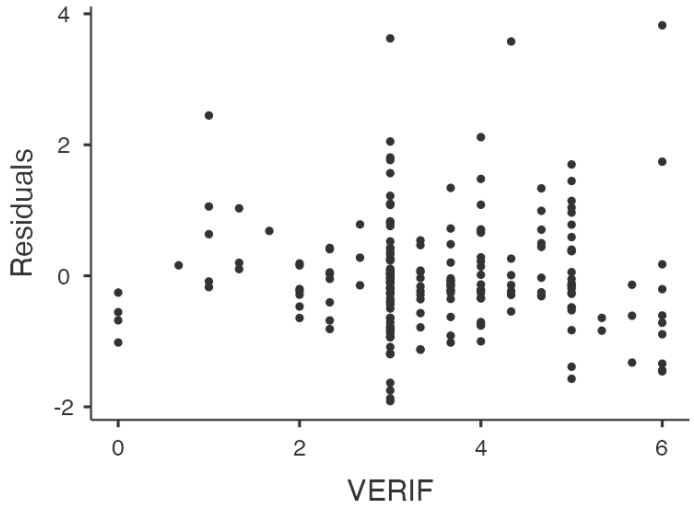


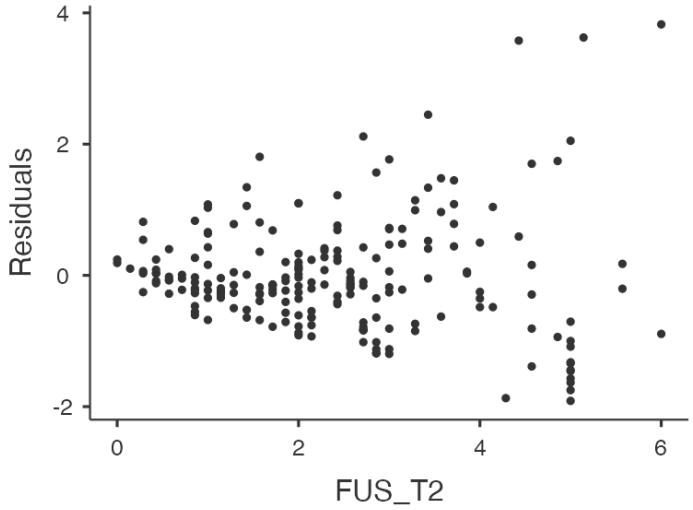
Residuals Plots

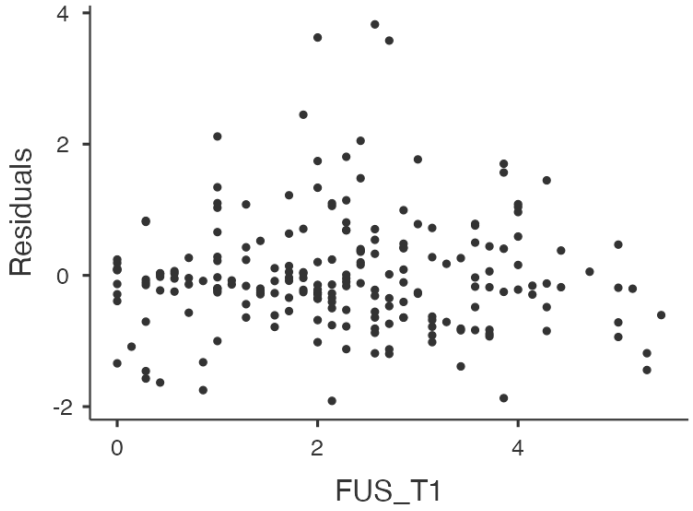



Residuals
4
2
0
-2
0
2
4
6
FIGHTDIE


Residuals
4
2
0
-2
0.00
0.25
0.50
0.75
1.00
CONDIT


Residuals
4
2
0
-2
0
2
4
6
VERIF


Residuals
4
2
0
-2
0
2
4
6
FUS_T2


Residuals
4
2
0
-2
0
2
4
FUS_T1

STUDY 4

Regression of verification on relational ties

Model Fit Measures

Model	R	R^2
1	0.609	0.371

Model Coefficients - REL_TIES

Predictor	Estimate	SE	t	p
Intercept	1.313	0.127	10.378	< .001
VERIF	0.628	0.037	16.842	< .001

Data Summary

Cook's Distance

			Range	
Mean	Median	SD	Min	Max
0.003	0.001	0.008	0.000	0.132

Assumption Checks

Durbin–Watson Test for Autocorrelation

Autocorrelation	DW Statistic	p
0.022	1.953	0.618

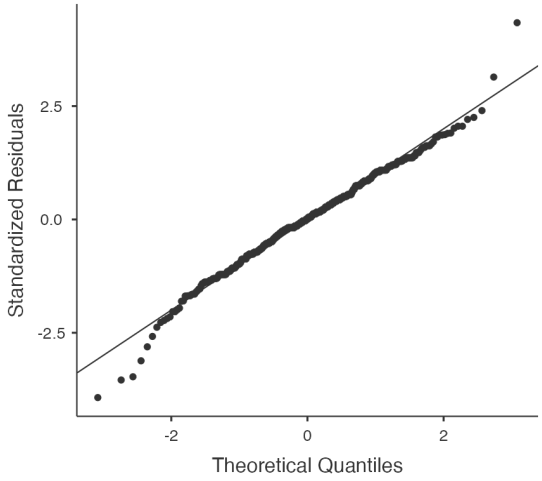
Collinearity Statistics

	VIF	Tolerance
VERIF	1.000	1.000

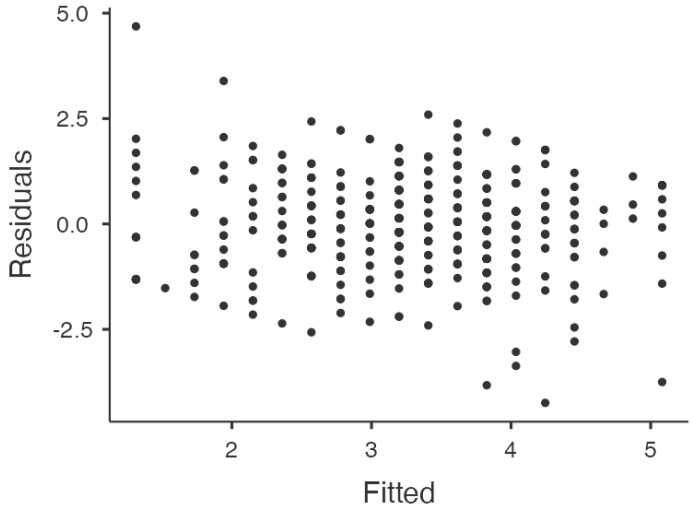
Normality Test (Shapiro-Wilk)

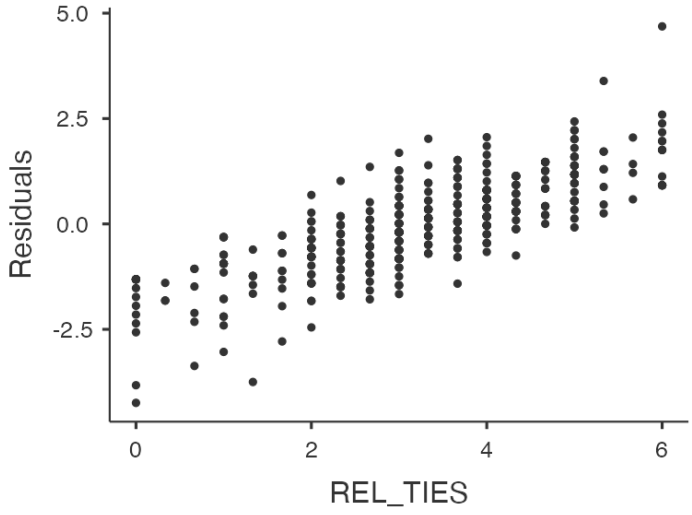
Statistic	p
0.988	< .001

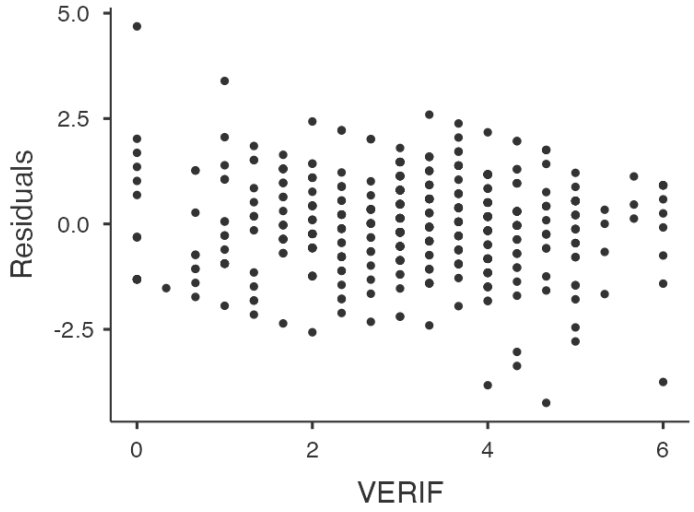
Q-Q Plot



Residuals Plots






5.0
2.5
0.0
-2.5
Residuals
0
2
4
6
VERIF

Regression of verification and relational ties on fusion

Model Fit Measures

Model	R	R^2
1	0.516	0.266

Model Coefficients - FUSION

Predictor	Estimate	SE	t	p
Intercept	0.400	0.148	2.696	0.007
VERIF	0.134	0.050	2.696	0.007
REL_TIES	0.416	0.048	8.591	< .001

Data Summary

Cook's Distance

			Range	
Mean	Median	SD	Min	Max
0.002	0.001	0.006	0.000	0.091

Assumption Checks

Durbin–Watson Test for Autocorrelation

Autocorrelation	DW Statistic	p
0.140	1.720	< .001

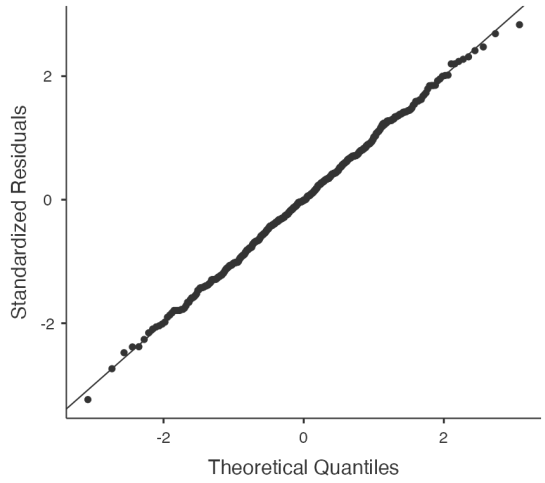
Collinearity Statistics

	VIF	Tolerance
VERIF	1.591	0.629
REL_TIES	1.591	0.629

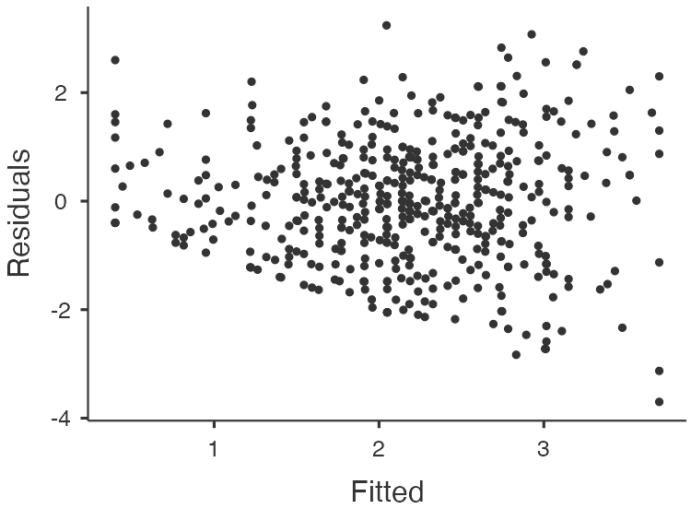
Normality Test (Shapiro-Wilk)

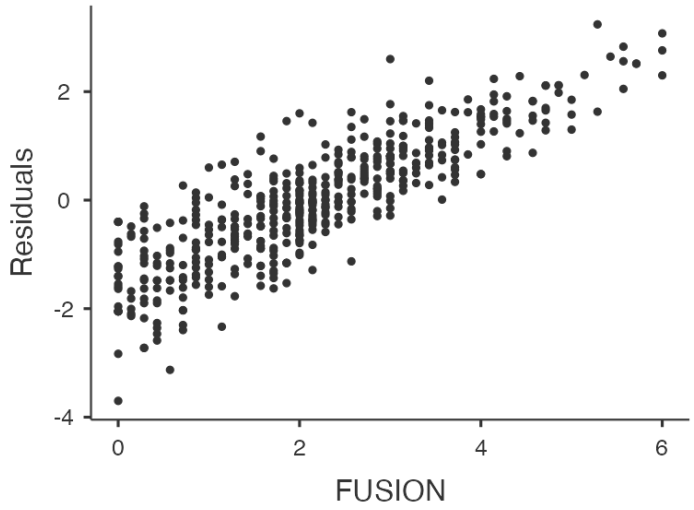
Statistic	p
0.999	0.992

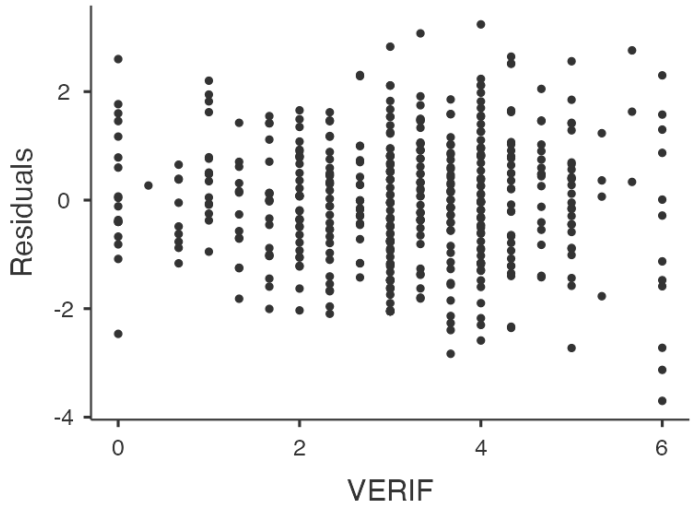
Q-Q Plot

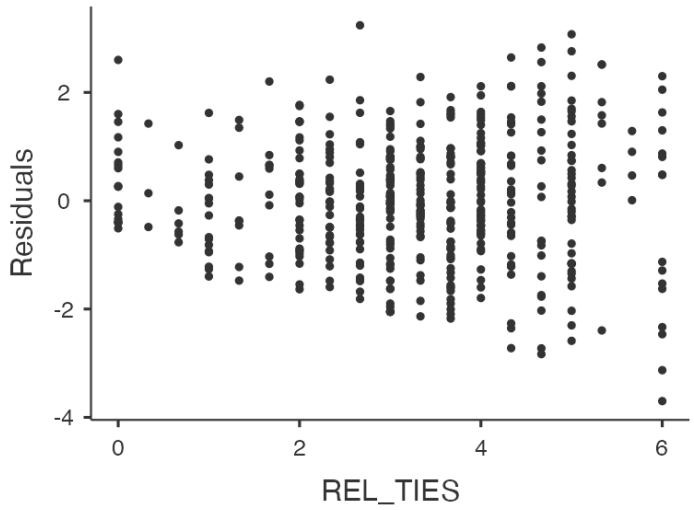


Residuals Plots




Residuals
2
0
-2
-4
0
2
4
6
FUSION


Residuals
2
0
-2
-4
0
2
4
6
VERIF


Residuals
2
0
-2
-4
0
2
4
6
REL_TIES

Regression of verification, relational ties, and fusion on willingness to fight and die

Model Fit Measures

Model	R	R^2
1	0.408	0.167

Model Coefficients - FIGHTDIE

Predictor	Estimate	SE	t	p
Intercept	0.337	0.143	2.365	0.018
VERIF	0.077	0.048	1.602	0.110
REL_TIES	0.078	0.050	1.567	0.118
FUSION	0.275	0.044	6.303	< .001

Data Summary

Cook's Distance

			Range	
Mean	Median	SD	Min	Max
0.002	0.001	0.005	0.000	0.040

Assumption Checks

Durbin–Watson Test for Autocorrelation

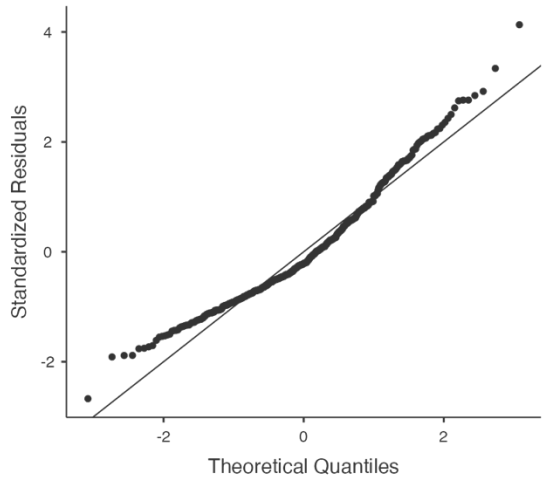
Autocorrelation	DW Statistic	p
0.572	0.854	< .001

Collinearity Statistics

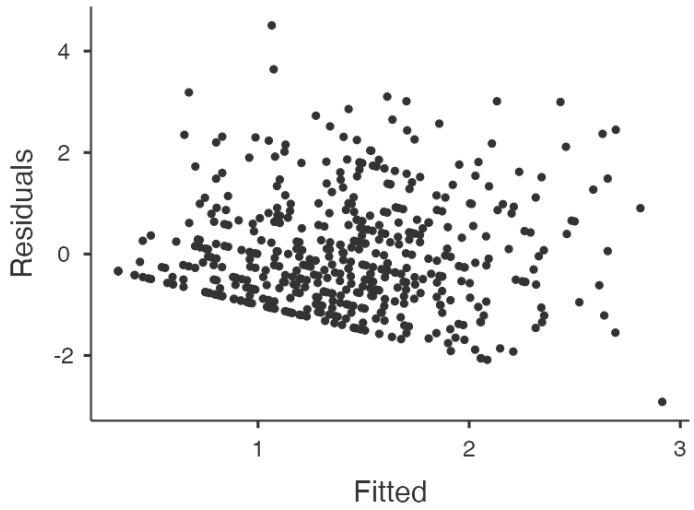
	VIF	Tolerance
VERIF	1.615	0.619
REL_TIES	1.836	0.545
FUSION	1.363	0.734

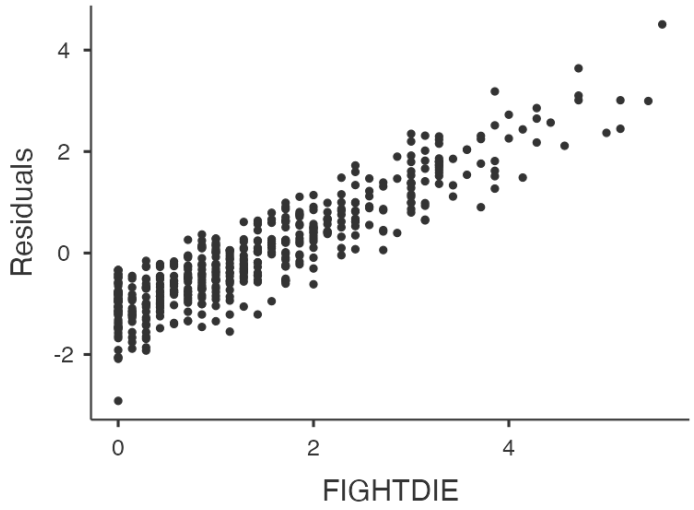
Normality Test (Shapiro-Wilk)	
Statistic	**p**
0.959	< .001

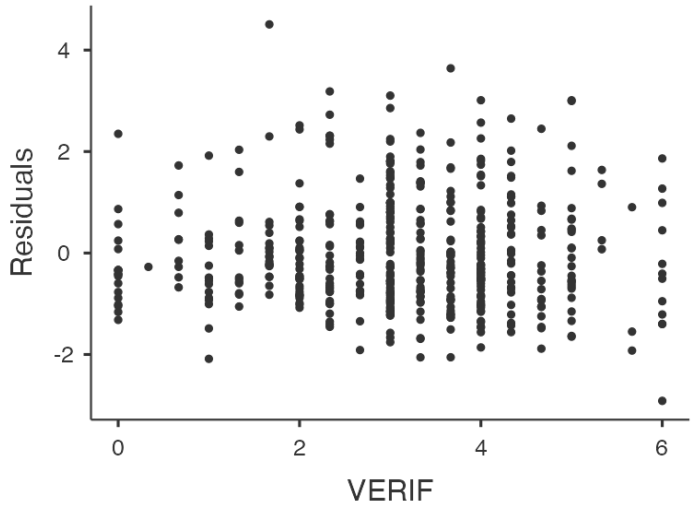
Q-Q Plot

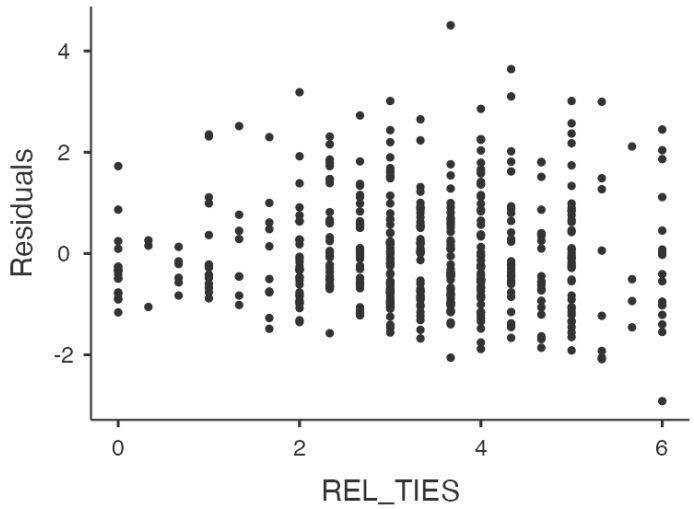


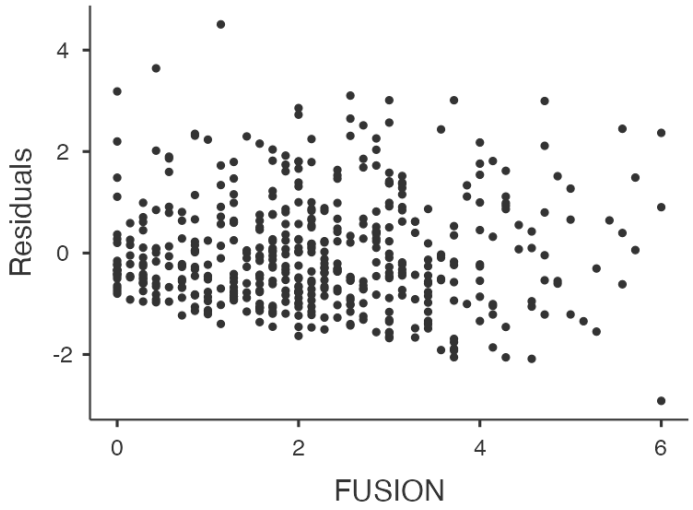
Residuals Plots




Residuals
4
2
0
-2
0
2
4
FIGHTDIE


Residuals
4
2
0
-2
0
2
4
6
VERIF


Residuals
4
2
0
-2
0
2
4
6
REL_TIES


Residuals
4
2
0
-2
0
2
4
6
FUSION

STUDY 5A

Regression of verification on fusion controlling by time in prison

Model Fit Measures

Model	R	R^2
1	0.368	0.136

Model Coefficients - FUSION

Predictor	Estimate	SE	t	p
Intercept	0.035	0.102	0.342	0.733
VERIF	0.074	0.020	3.685	< .001
Time	-0.000	0.001	-0.363	0.717

Data Summary

Cook's Distance

			Range	
Mean	Median	SD	Min	Max
0.010	0.006	0.019	0.000	0.149

Assumption Checks

Durbin–Watson Test for Autocorrelation

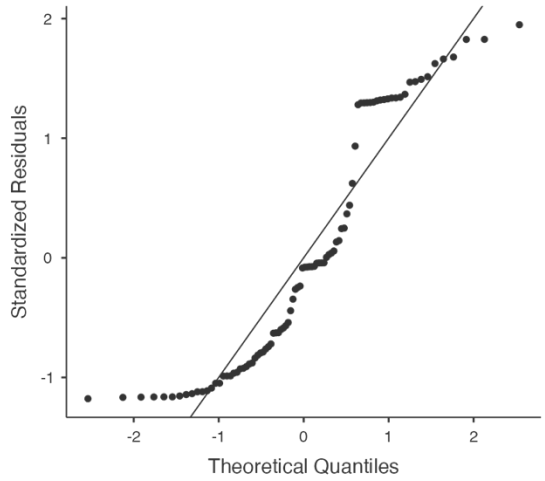
Autocorrelation	DW Statistic	p
0.297	1.394	0.002

Collinearity Statistics

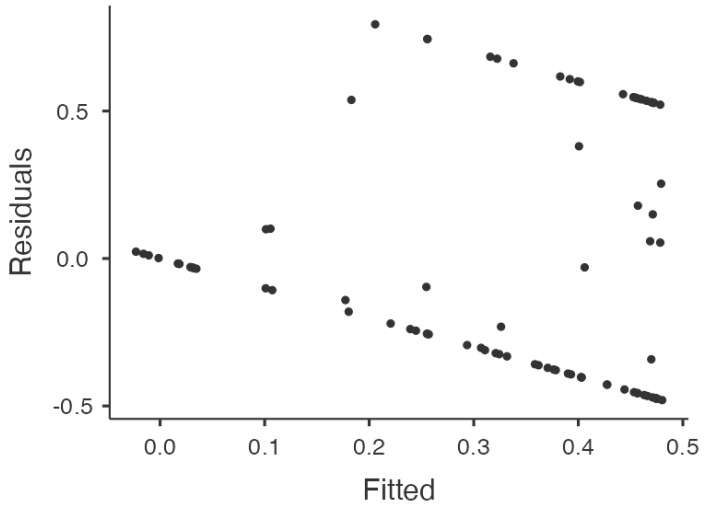
	VIF	Tolerance
VERIF	1.001	0.999
Time	1.001	0.999

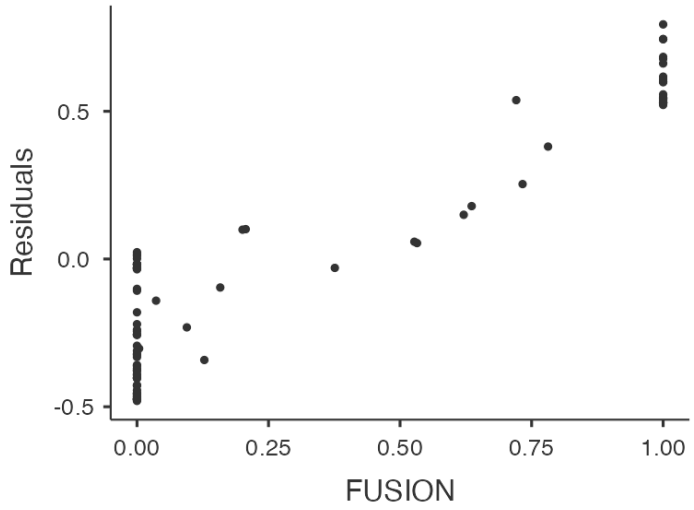
Normality Test (Shapiro-Wilk)	
Statistic	**p**
0.878	< .001

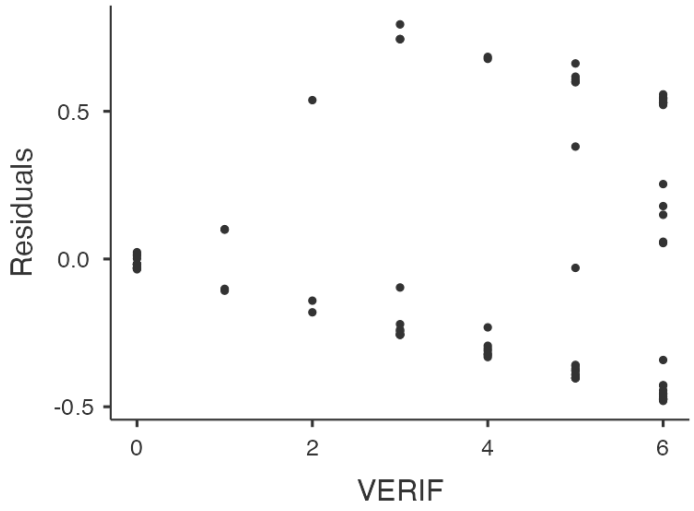
Q-Q Plot

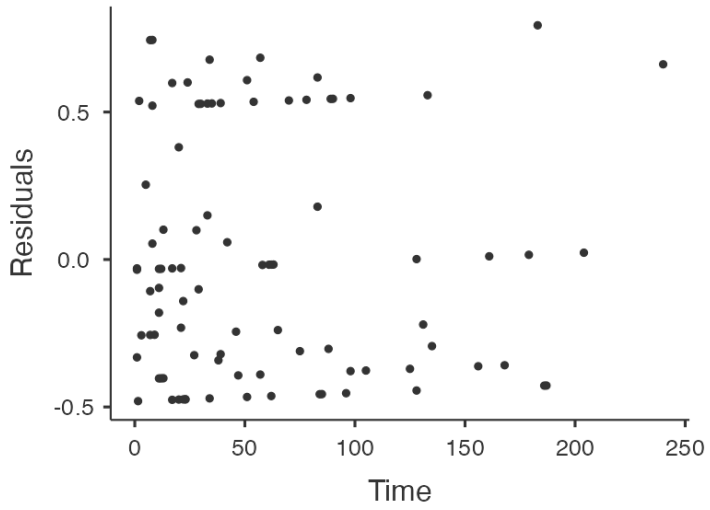


Residuals Plots




Residuals
0.5
0.0
-0.5
0.00
0.25
0.50
0.75
1.00
FUSION


Residuals
0.5
0.0
-0.5
0
2
4
6
VERIF


Residuals
0.5
0.0
-0.5
0
50
100
150
200
250
Time

Regression of verification and fusion on willingness to sacrifice controlling by time in prison

Model Fit Measures

Model	R	R^2
1	0.722	0.521

Model Coefficients - SACRIFICE

Predictor	Estimate	SE	t	p
Intercept	-0.108	0.337	-0.321	0.749
VERIF	0.093	0.071	1.306	0.195
Time	0.001	0.003	0.560	0.577
FUSION	2.975	0.353	8.432	< .001

Data Summary

Cook's Distance

			Range	
Mean	Median	SD	Min	Max
0.011	0.001	0.020	0.000	0.087

Assumption Checks

Durbin–Watson Test for Autocorrelation

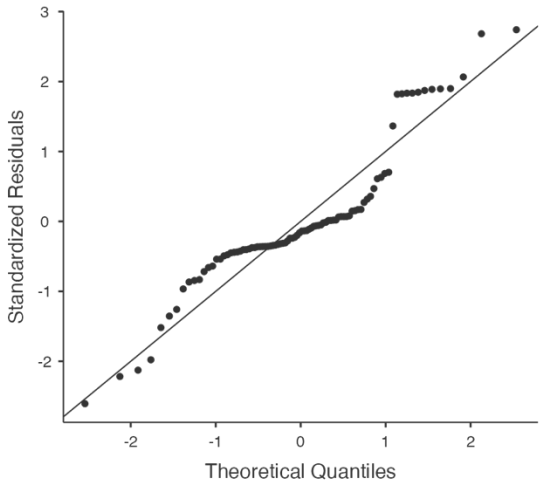
Autocorrelation	DW Statistic	p
0.198	1.600	0.052

Collinearity Statistics

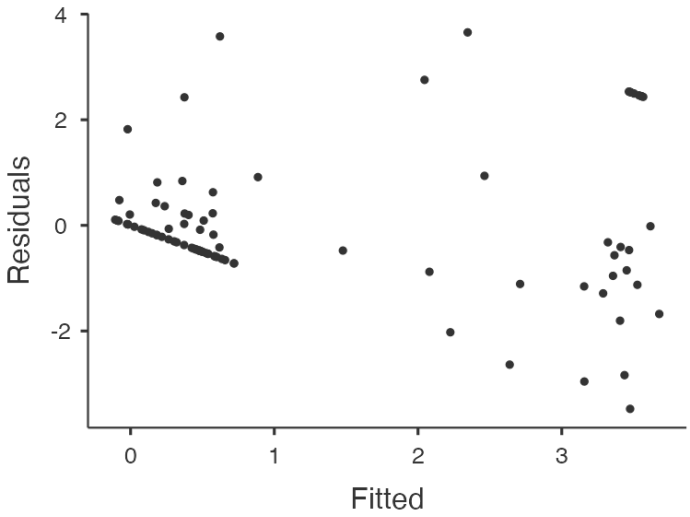
	VIF	Tolerance
VERIF	1.157	0.864
FUSION	1.157	0.864
Time	1.002	0.998

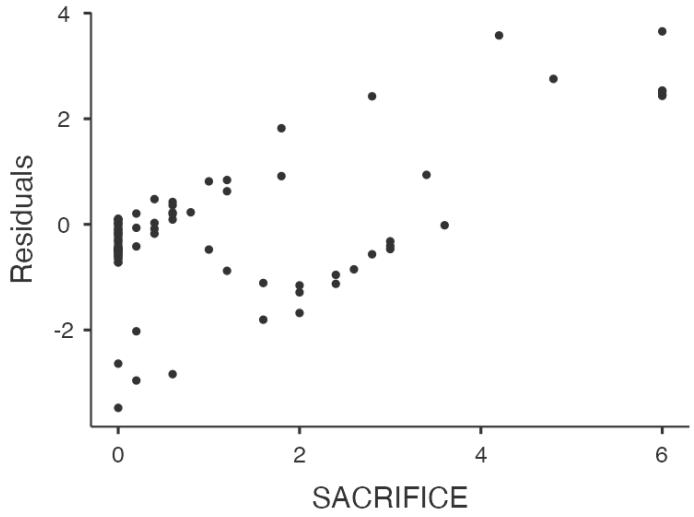
Normality Test (Shapiro-Wilk)	
Statistic	**p**
0.894	< .001

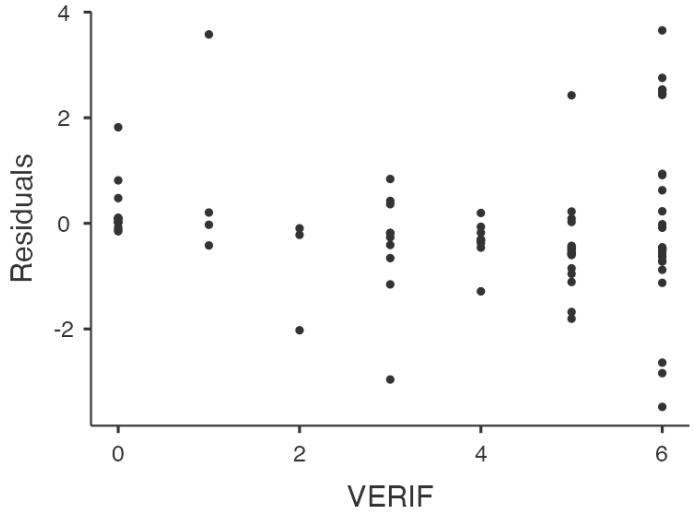
Q-Q Plot

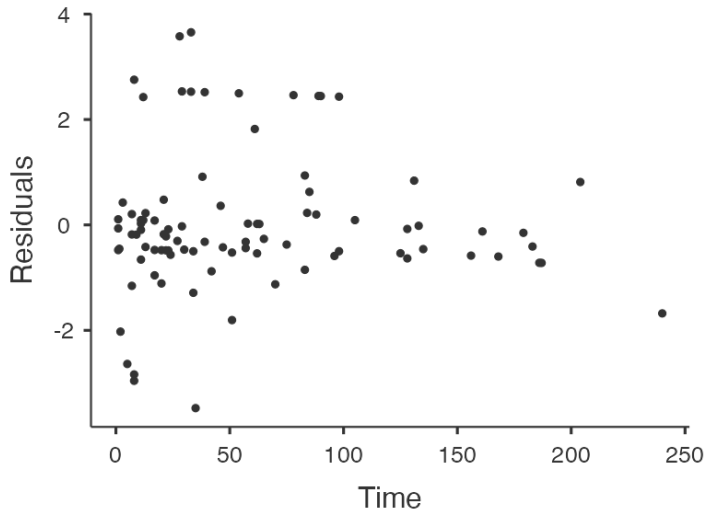


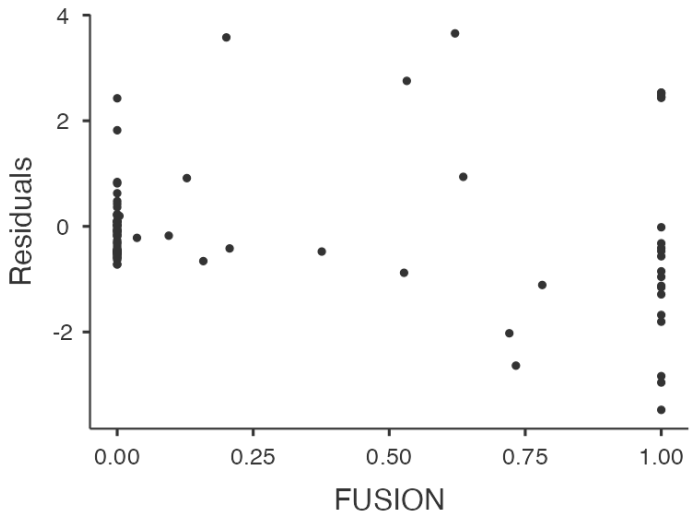
Residuals Plots




Residuals
4
2
0
-2
0
2
4
6
SACRIFICE


Residuals
4
2
0
-2
0
2
4
6
VERIF


Residuals
4
2
0
-2
0
50
100
150
200
250
Time


4
2
0
-2
Residuals
0.00
0.25
0.50
0.75
1.00
FUSION

STUDY 5B

Regression of verification on fusion controlling by time in prison

Model Fit Measures

Model	R	R^2
1	0.478	0.228

Model Coefficients - FUSION

Predictor	Estimate	SE	t	p
Intercept	-0.026	0.101	-0.258	0.797
VERIF	0.088	0.022	3.939	< .001
Time	0.001	0.001	0.908	0.368

Data Summary

Cook's Distance

			Range	
Mean	Median	SD	Min	Max
0.017	0.006	0.022	0.000	0.088

Assumption Checks

Durbin–Watson Test for Autocorrelation

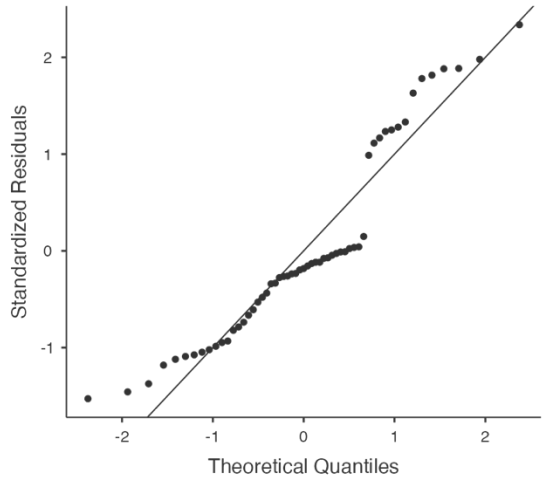
Autocorrelation	DW Statistic	p
0.113	1.651	0.188

Collinearity Statistics

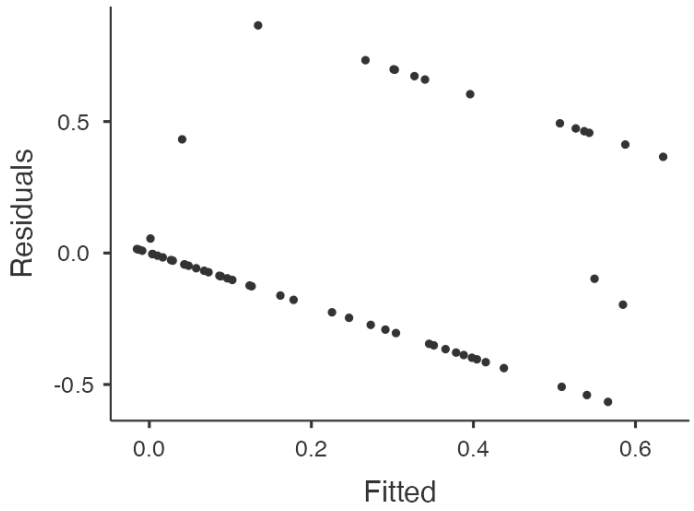
	VIF	Tolerance
VERIF	1.003	0.997
Time	1.003	0.997

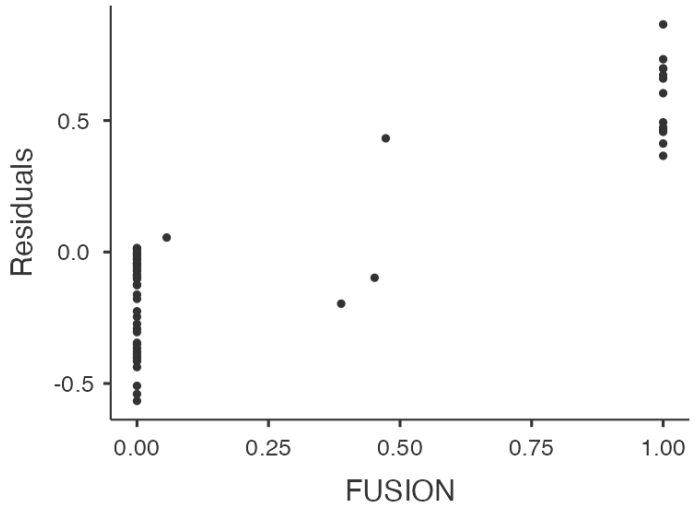
Normality Test (Shapiro-Wilk)	
Statistic	**p**
0.908	< .001

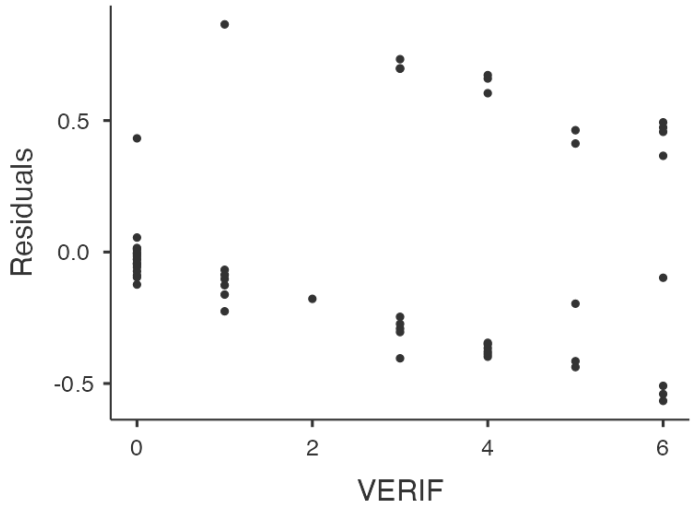
Q-Q Plot

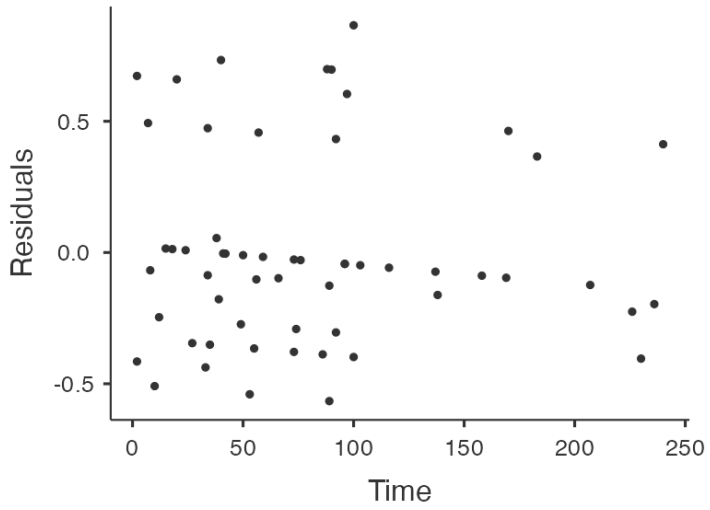


Residuals Plots




Residuals
0.5
0.0
-0.5
0.00
0.25
0.50
0.75
1.00
FUSION


Residuals
0.5
0.0
-0.5
0
2
4
6
VERIF


Residuals
0.5
0.0
-0.5
0
50
100
150
200
250
Time

Regression of verification and fusion on willingness to sacrifice controlling by time in prison

Model Fit Measures

Model	R	R^2
1	0.662	0.439

Model Coefficients - SACRIFICE

Predictor	Estimate	SE	t	p
Intercept	0.078	0.232	0.338	0.737
VERIF	0.014	0.058	0.243	0.809
Time	-0.000	0.002	-0.104	0.917
FUSION	1.728	0.312	5.544	< .001

Data Summary

Cook's Distance

			Range	
Mean	Median	SD	Min	Max
0.022	0.000	0.075	0.000	0.502

Assumption Checks

Durbin–Watson Test for Autocorrelation

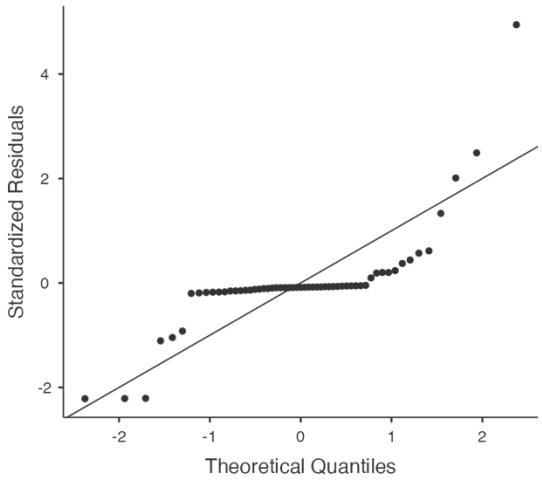
Autocorrelation	DW Statistic	p
0.092	1.728	0.242

Collinearity Statistics

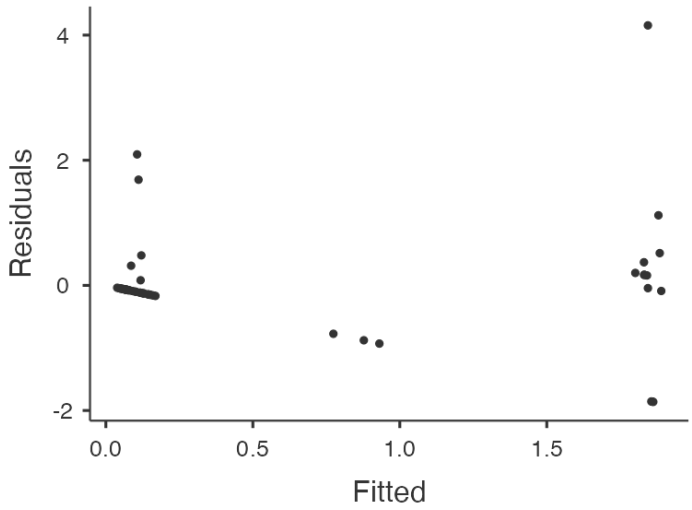
	VIF	Tolerance
VERIF	1.291	0.774
FUSION	1.296	0.772
Time	1.018	0.982

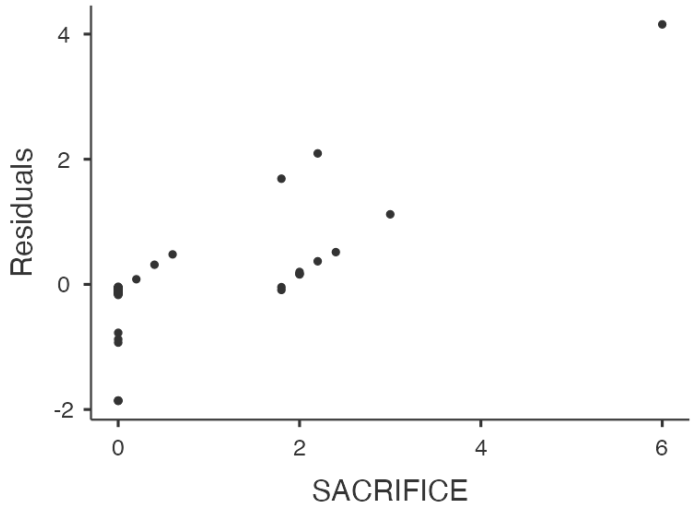
Normality Test (Shapiro-Wilk)	
Statistic	**p**
0.656	< .001

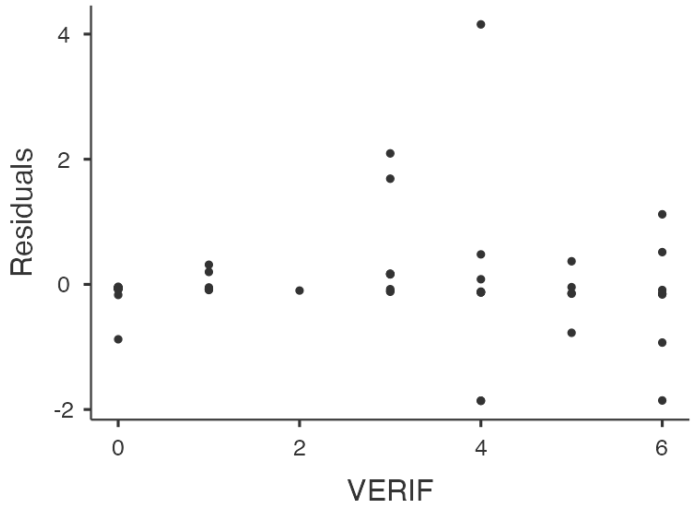
Q-Q Plot

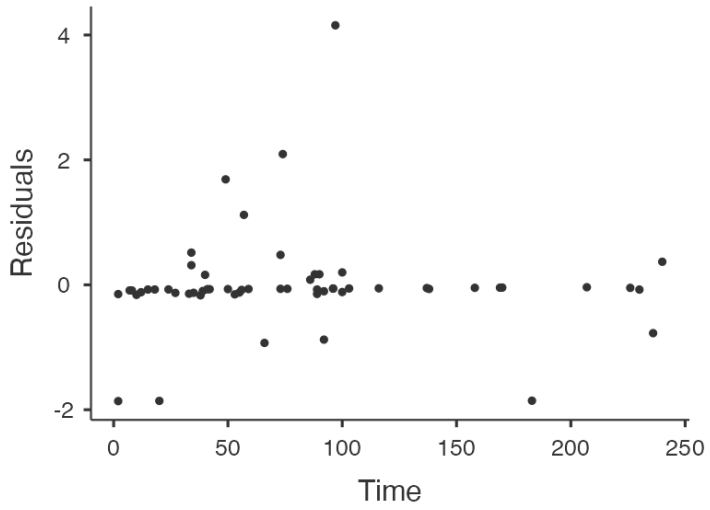


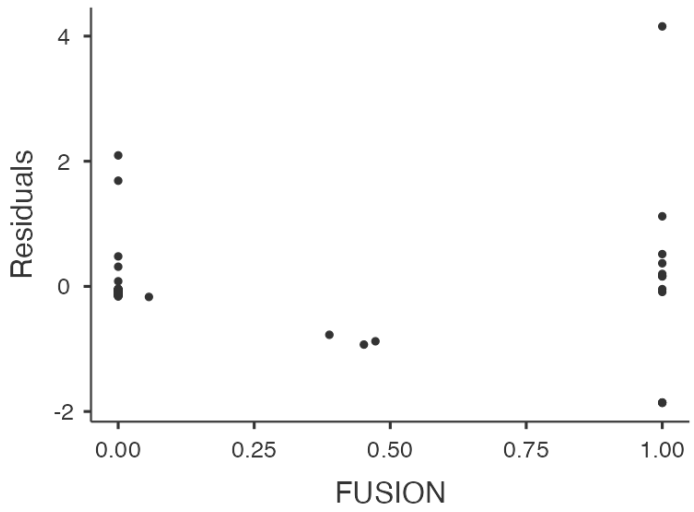
Residuals Plots




Residuals
4
2
0
-2
0
2
4
6
SACRIFICE

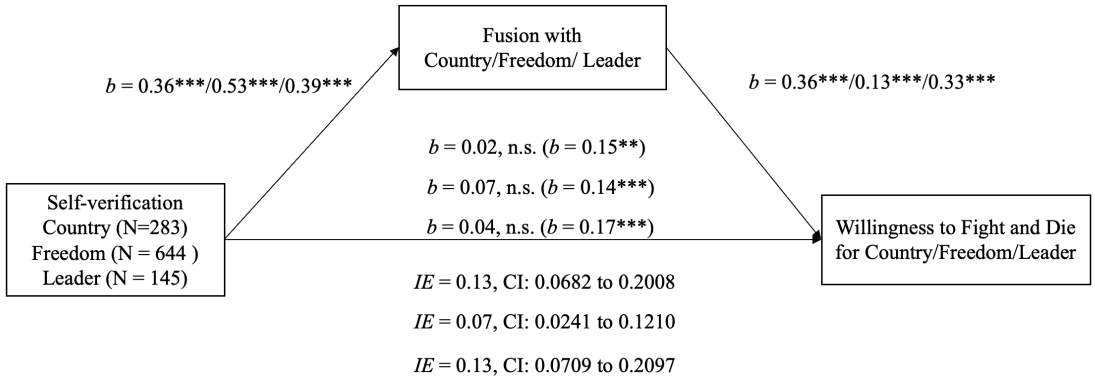

Residuals
4
2
0
-2
0
2
4
6
VERIF


Residuals
4
2
0
-2
0
50
100
150
200
250
Time

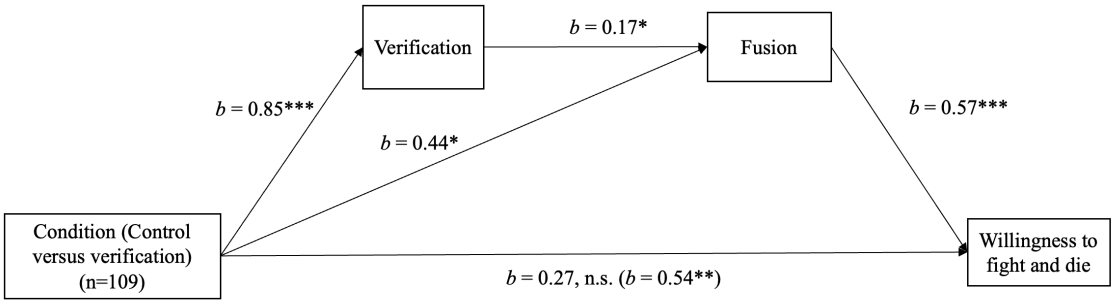

Residuals
4
2
0
-2
0.00
0.25
0.50
0.75
1.00
FUSION

Mediation analyses with HC3 (Davidson-MacKinnon correction)

Studies 1a-1b-1c. Figure S2

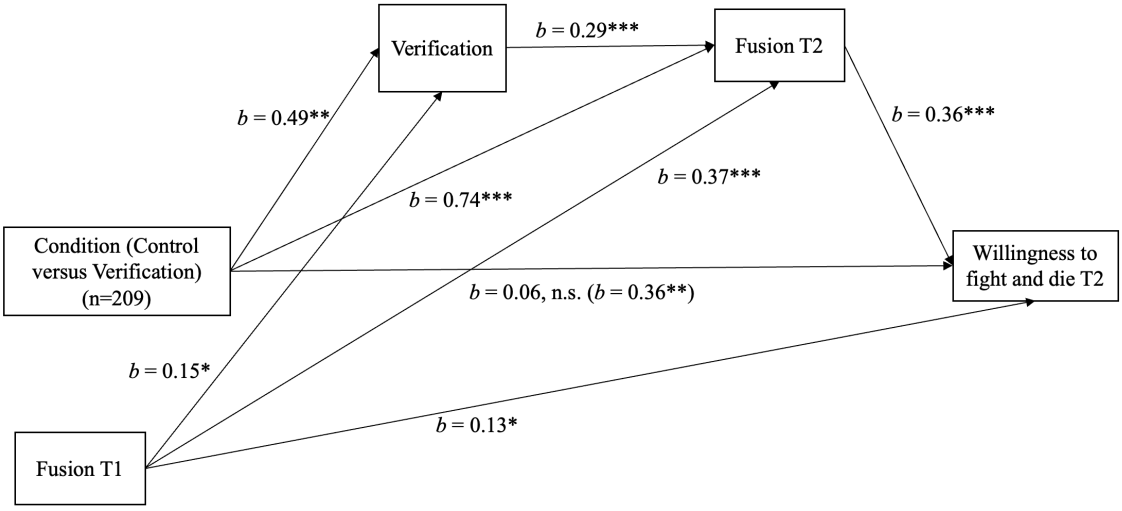


Study 2. Figure S3



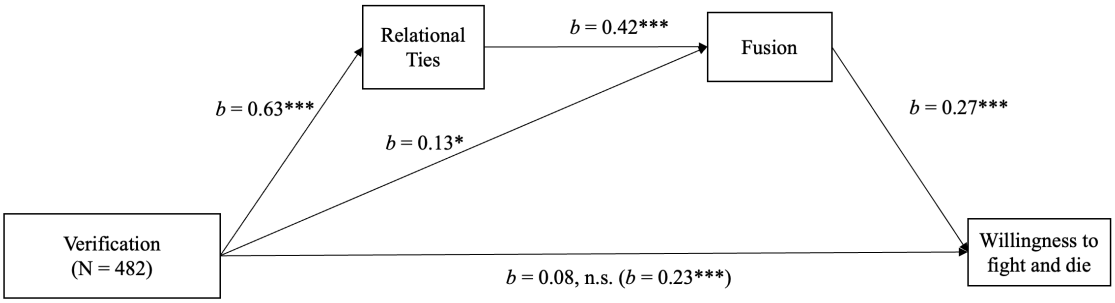
IE condition-verification-fightdie = -0.06, CI: -0.1866 to 0.0748
***IE condition-fusion-fightdie* = 0.25, CI: 0.0325 to 0.5142**
***IE condition-verification-fusion-fightdie* = 0.08, CI: 0101 to 0.1997**

Study 3. Figure S4



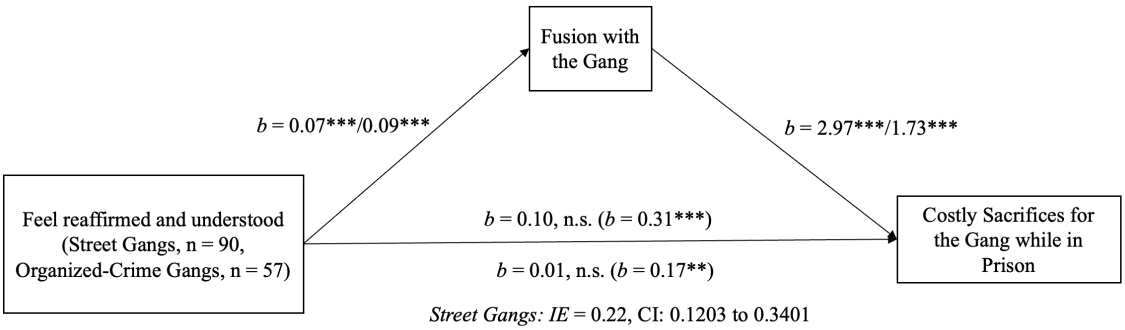
IE condition-verification-fightdie = -0.03, CI: -0.0894 to 0.0357
***IE condition-fusion-fightdie* = 0.27, CI: 0.1231 to 0.4816**
***IE condition-verification-fusion-fightdie* = 0.05, CI: 0.0115 to 0.1140**

Study 4. Figure S5



IE verification-relational ties-fightdie= 0.05, CI: -0.0108 to 0.1125
***IE verification-fusion-fightdie*= 0.04, CI: 0.0054 to 0.0739**
***IE verification-relational ties-fusion-fightdie*= 0.07, CI: 0.0427 to 0.1084**

Studies 5a-5b. Figure S6



Street Gangs: IE = 0.22, CI: 0.1203 to 0.3401

Organized-Crime Gangs: IE = 0.15, CI: 0.0579 to 0.2708