

Facebook, Misinformation, and Election Trust: Analyzing Public Confidence in the 2020 U.S. Vote

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Appendix

Table 1: Descriptive Statistics for Trust in Vote Count Accuracy (2020 Election)

Sample Size	Mean	Standard Deviation	Minimum	Maximum
3883	0.4826165	0.4997621	0	1

Table 2: Descriptive Statistics for Perception of Misinformation on Facebook

Sample Size	Mean	Standard Deviation	Minimum	Maximum
3883	3.891579	1.03635	1	5

Table 3: Descriptive Statistics for Exposure to Political News on Facebook

Sample Size	Mean	Standard Deviation	Minimum	Maximum
3883	2.884625	1.20922	1	5

Call:

```
glm(formula = trust_vote ~ perception_misinfo, family = "binomial",  
     data = df)
```

Coefficients:

	Estimate	Std. Error	z value	Pr(> z)
(Intercept)	-1.59689	0.13298	-12.01	<2e-16 ***
perception_misinfo	0.39088	0.03279	11.92	<2e-16 ***

Signif. codes: 0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

(Dispersion parameter for binomial family taken to be 1)

Null deviance: 5378.3 on 3882 degrees of freedom

Residual deviance: 5228.3 on 3881 degrees of freedom

AIC: 5232.3

Number of Fisher Scoring iterations: 4

Call:

```
glm(formula = trust_vote ~ pol_newsfb, family = "binomial", data = df)
```

Coefficients:

	Estimate	Std. Error	z value	Pr(> z)
(Intercept)	-0.12292	0.08311	-1.479	0.139
pol_newsfb	0.01849	0.02656	0.696	0.486

(Dispersion parameter for binomial family taken to be 1)

Null deviance: 5378.3 on 3882 degrees of freedom

Residual deviance: 5377.8 on 3881 degrees of freedom

AIC: 5381.8

Number of Fisher Scoring iterations: 3

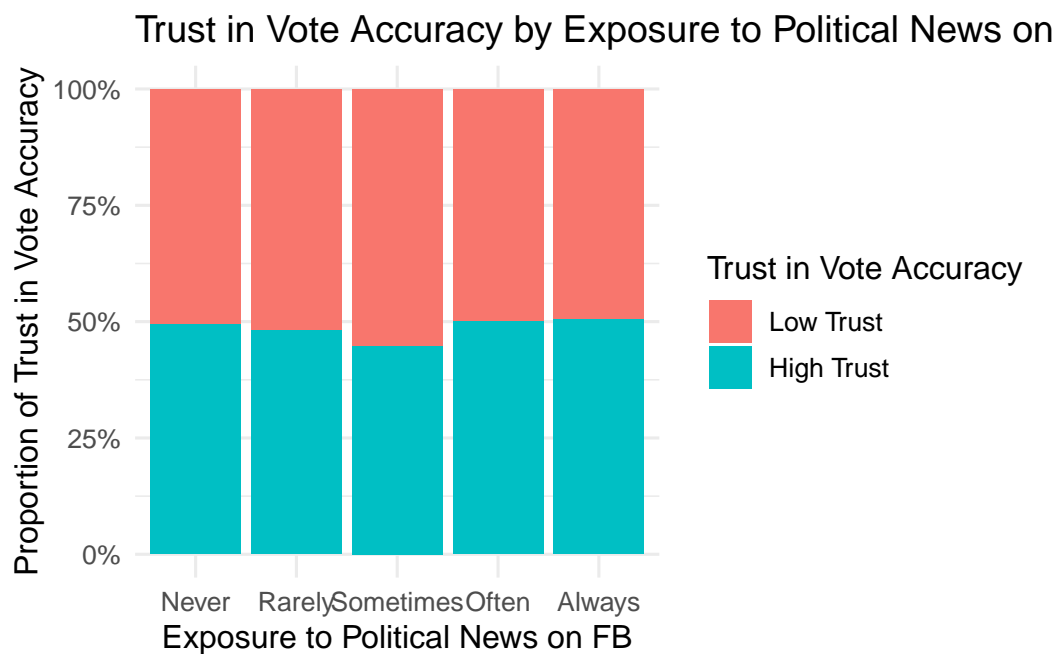


Table 4: Bivariate Logistic Regression Results: Trust in Vote Accuracy by Perception of Misinformation on FB

	(1)
Intercept	−1.597*** (0.133) (<0.001)
Perception of Misinformation on FB	0.391*** (0.033) (<0.001)
Num.Obs.	3883
AIC	5232.3
BIC	5244.8
Log.Lik.	−2614.134
F	142.105
RMSE	0.49
+ $p \setminus \text{num}\{< 0.1\}$, * $p \setminus \text{num}\{< 0.05\}$, ** $p \setminus \text{num}\{< 0.01\}$, *** $p \setminus \text{num}\{< 0.001\}$	

Table 5: Bivariate Logistic Regression Results: Trust in Vote Accuracy by Exposure to Political News on FB

	(1)
Intercept	−0.123 (0.083) (0.139)
Exposure to Political News on FB	0.018 (0.027) (0.486)
Num.Obs.	3883
AIC	5381.8
BIC	5394.3
Log.Lik.	−2688.901
F	0.485
RMSE	0.50
+ $p \setminus \text{num}\{< 0.1\}$, * $p \setminus \text{num}\{< 0.05\}$, ** $p \setminus \text{num}\{< 0.01\}$, *** $p \setminus \text{num}\{< 0.001\}$	

Table 6: Variance Inflation Factor (VIF) Values for Independent Variables

Independent Variable	VIF Value
perception_misinfo	1.019286
pol_newsfb	1.019286

Table 7: Perception of Misinformation on Facebook by Trust in 2020 Vote Count

Perception of Misinfo on FB		High Trust	Low Trust	All
Not at all serious	N	20	54	74
	% row	27.0	73.0	100.0
Slightly serious	N	107	235	342
	% row	31.3	68.7	100.0
Moderately serious	N	312	536	848
	% row	36.8	63.2	100.0
Very serious	N	661	625	1286
	% row	51.4	48.6	100.0
Extremely serious	N	774	559	1333
	% row	58.1	41.9	100.0
All	N	1874	2009	3883
	% row	48.3	51.7	100.0

Table 8: Trust in Vote Accuracy by Exposure to Political News on FB

Exposure to Political News on FB		High Trust	Low Trust	All
Never	N	228	234	462
	% row	49.4	50.6	100.0
Sometimes	N	614	662	1276
	% row	48.1	51.9	100.0
Half the time	N	367	452	819
	% row	44.8	55.2	100.0
Most of time	N	450	450	900
	% row	50.0	50.0	100.0
Always	N	215	211	426
	% row	50.5	49.5	100.0
All	N	1874	2009	3883
	% row	48.3	51.7	100.0

