

Title: Pre-registered main analyses appendix for “Examining accuracy-prompt efficacy in combination with using colored borders to differentiate news and social content online”

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Note: The material contained herein is supplementary to the article named in the title and published in the Harvard Kennedy School (HKS) Misinformation Review.

Appendix C: Pre-registered main analyses

We pre-registered our main analyses as two general linear models with cluster-robust standard errors by participant and post, predicting sharing and liking, respectively. As predictors, we included a 4-level post type dummy (baseline = false, true, non-political social, political social), condition (baseline-control, accuracy-prompt-only, accuracy-prompt-plus-borders), and their interaction. We also pre-registered comparing the coefficients on the interactions between the true news dummy and the accuracy-prompt-only versus accuracy-prompt-plus-borders dummies using a Wald test. We also conducted these analyses, except predicting sharing *or* liking as a combined outcome variable (1 = liked and/or shared; 0 = no engagement).

We also conducted follow-up Wald tests for each of these models, examining the effect of the accuracy-prompt-plus-borders condition on news posts (collapsing true, false) and on social posts (collapsing non-political, political). These Wald tests were not pre-registered and are exploratory - however, the models from which these Wald tests are performed are the pre-registered models specified above.

Table S3. *Sharing predicted by post type, condition, and their interaction.*

	<i>b</i>	<i>SE</i>	<i>z</i>	<i>p</i>
Intercept	0.226	0.018	12.575	<.001***
True	-0.043	0.016	-2.618	.009**
Non-political Social	-0.099	0.021	-4.785	<.001***
Political Social	-0.065	0.018	-3.609	<.001***
AccOnly	-0.02	0.017	-1.13	.259
AccBorder	0.003	0.017	0.164	.870
True:AccOnly	0.017	0.009	1.963	.050*
Non-political Social:AccOnly	0.021	0.016	1.299	.194
Political Social:AccOnly	0.027	0.012	2.165	.030*
True:AccBorder	0.018	0.005	3.47	.001***
Non-political Social:AccBorder	-0.017	0.018	-0.966	.334
Political Social:AccBorder	-0.021	0.014	-1.545	.122

Note: *** $p < .001$. ** $p < .01$. * $p < .05$.

Table S4. Wald test comparing news veracity sharing discernment between accuracy-prompt-only and accuracy-prompt-plus-border.

Res. Df	F	p
109,716	0.052	.819

Hypothesis tested: True:AccOnly - True:AccBorder = 0

Note: *** p < .001. ** p < .01. * p < .05.

Table S5. Exploratory Wald test examining effect of accuracy-prompt-plus-border condition on news post sharing (collapsing across false, true news).

Res. Df	F	p
109,716	7.209	<.001***

Hypotheses tested: AccBorder = 0, True:AccBorder = 0

Note: *** p < .001. ** p < .01. * p < .05.

Table S6. Exploratory Wald test examining effect of accuracy-prompt-plus-border condition on social post sharing (collapsing across non-political, political social).

Res. Df	F	p
109,716	1.550	.212

Hypotheses tested: Non-political Social:AccBorder = 0, Political Social:AccBorder = 0

Note: *** p < .001. ** p < .01. * p < .05.

Table S7. Liking predicted by post type, condition, and their interaction.

	b	SE	z	p
Intercept	0.151	0.012	12.619	<.001***
True	0.041	0.012	3.361	.001***
Non-political Social	0.273	0.019	14.154	<.001***
Political Social	0.139	0.016	8.985	<.001***
AccOnly	0.023	0.015	1.483	.138
AccBorder	0.051	0.017	3.002	.003**
True:AccOnly	-0.001	0.005	-0.17	.865
Non-political Social:AccOnly	-0.014	0.018	-0.74	.459
Political Social:AccOnly	-0.017	0.01	-1.763	.078
True:AccBorder	-0.003	0.005	-0.597	.551
Non-political Social:AccBorder	-0.108	0.023	-4.724	<.001***
Political Social:AccBorder	-0.077	0.016	-4.728	<.001***

Note: *** p < .001. ** p < .01. * p < .05.

Table S8. Wald test comparing news veracity liking discernment between accuracy-prompt-only and accuracy-prompt-plus-border.

Res. Df	F	p
109,716	0.240	.624

Hypothesis tested: True:AccOnly - True:AccBorder = 0

Note: *** $p < .001$. ** $p < .01$. * $p < .05$.

Table S9. Exploratory Wald test examining effect of accuracy-prompt-plus-border condition on news post liking (collapsing across false, true news).

Res. Df	F	p
109,716	4.539	.011*

Hypotheses tested: AccBorder = 0, True:AccBorder = 0

Note: *** $p < .001$. ** $p < .01$. * $p < .05$.

Table S10. Exploratory Wald test examining effect of accuracy-prompt-plus-border condition on social post liking (collapsing across non-political, political social).

Res. Df	F	p
109,716	11.904	<.001***

Hypotheses tested: Non-political Social:AccBorder = 0, Political Social:AccBorder = 0

Note: *** $p < .001$. ** $p < .01$. * $p < .05$.

Table S11. Engagement (sharing and/or liking) predicted by post type, condition, and their interaction.

	b	SE	z	p
Intercept	0.347	0.021	16.277	<.001***
True	-0.006	0.02	-0.298	.765
Non-political Social	0.161	0.023	6.918	<.001***
Political Social	0.062	0.021	2.995	.003**
AccOnly	0.006	0.023	0.271	.786
AccBorder	0.054	0.023	2.336	.019*
True:AccOnly	0.017	0.008	2.081	.037*
Non-political Social:AccOnly	0.011	0.019	0.569	.57
Political Social:AccOnly	0.008	0.011	0.797	.425
True:AccBorder	0.014	0.009	1.593	.111
Non-political Social:AccBorder	-0.114	0.022	-5.105	<.001***
Political Social:AccBorder	-0.093	0.016	-5.807	<.001***

Note: *** $p < .001$. ** $p < .01$. * $p < .05$.

Table S12. Wald test comparing news veracity engagement discernment between accuracy-prompt-only and accuracy-prompt-plus-border.

Res. Df	F	p
109,716	0.309	.578

Hypothesis tested: True:AccOnly - True:AccBorder = 0

Note: *** p < .001. ** p < .01. * p < .05.

Table S13. Exploratory Wald test examining effect of accuracy-prompt-plus-border condition on news post engagement (collapsing across false, true news).

Res. Df	F	p
109,716	5.344	.005**

Hypotheses tested: AccBorder = 0, True:AccBorder = 0

Note: *** p < .001. ** p < .01. * p < .05.

Table S14. Exploratory Wald test examining effect of accuracy-prompt-plus-border condition on social post engagement (collapsing across non-political, political social).

Res. Df	F	p
109,716	16.912	<.001***

Hypotheses tested: Non-political Social:AccBorder = 0, Political Social:AccBorder = 0

Note: *** p < .001. ** p < .01. * p < .05.