

Title: Stimuli appendix for “Happiness and surprise are associated with worse truth discernment of COVID-19 headlines among social media users in Nigeria”

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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.

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## Appendix D: Stimuli

### D.1 Stimuli descriptives

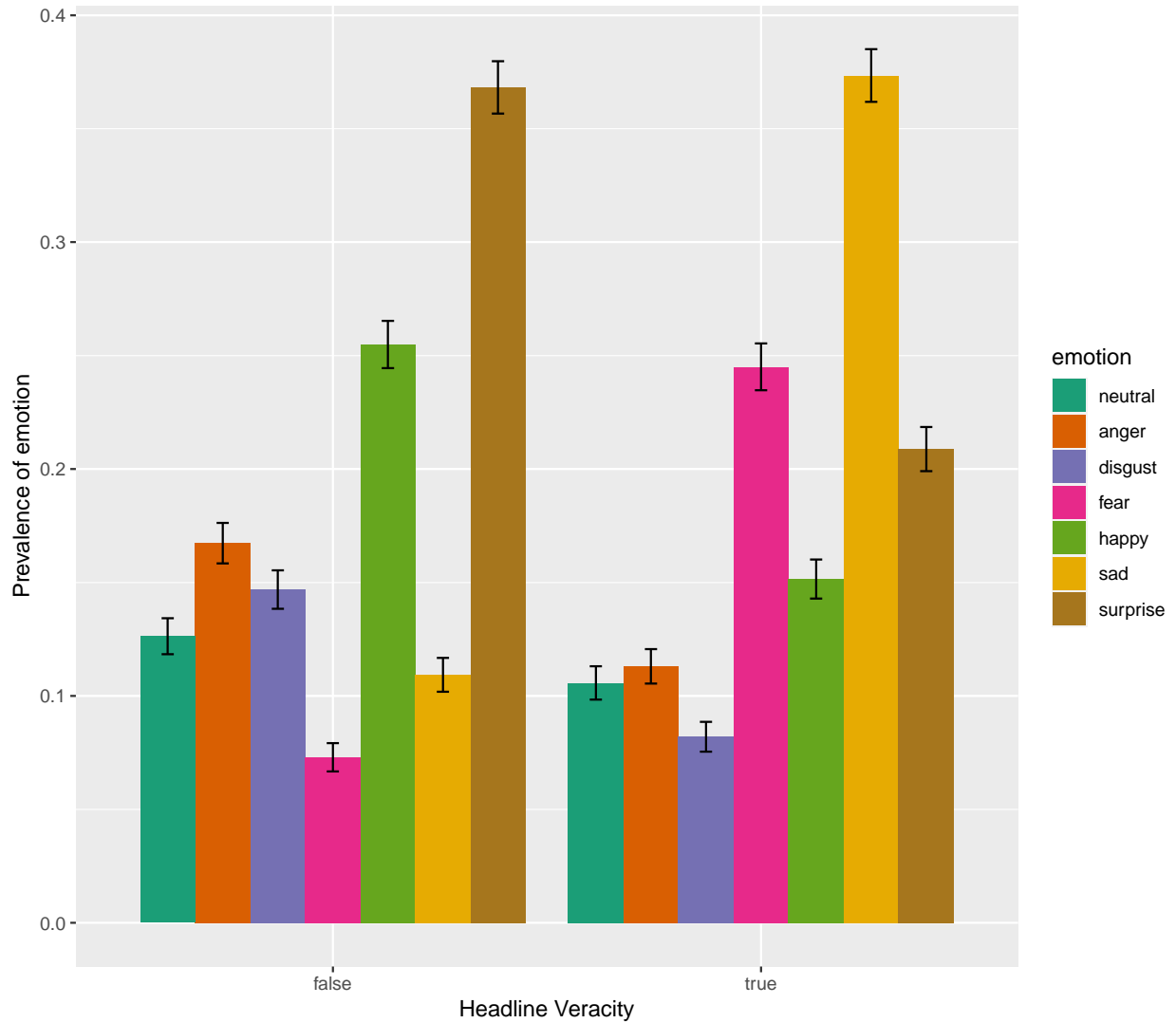


Figure D1. Prevalence of emotions by veracity.

**Table D1.** Distribution of emotions for each stimulus.

Headline	False 1	False 2	False 3	False 4	False 5	True 1	True 2	True 3	True 4	True 5
fear mean	0.03	0.15	0.04	0.05	0.09	0.21	0.03	0.39	0.13	0.46
fear sd	0.18	0.35	0.21	0.21	0.29	0.41	0.18	0.49	0.34	0.50
anger mean	0.04	0.34	0.05	0.19	0.21	0.04	0.28	0.05	0.06	0.13
anger sd	0.20	0.47	0.22	0.39	0.41	0.19	0.45	0.21	0.25	0.34
sad mean	0.05	0.20	0.04	0.10	0.16	0.53	0.13	0.46	0.23	0.51
sad sd	0.21	0.40	0.20	0.30	0.36	0.50	0.34	0.50	0.42	0.50
happy mean	0.51	0.04	0.50	0.14	0.09	0.03	0.06	0.14	0.49	0.04
happy sd	0.50	0.19	0.50	0.35	0.28	0.17	0.24	0.35	0.50	0.19
surprise mean	0.43	0.29	0.42	0.42	0.28	0.32	0.33	0.12	0.11	0.17
surprise sd	0.50	0.45	0.49	0.49	0.45	0.47	0.47	0.32	0.31	0.38
disgust mean	0.04	0.21	0.05	0.17	0.27	0.03	0.28	0.03	0.03	0.05
disgust sd	0.20	0.41	0.21	0.37	0.44	0.17	0.45	0.16	0.17	0.22
neutral mean	0.11	0.11	0.11	0.14	0.16	0.10	0.14	0.10	0.14	0.05
neutral sd	0.31	0.31	0.31	0.35	0.36	0.30	0.35	0.30	0.34	0.21
belief mean	0.66	0.55	0.68	0.67	0.72	0.94	0.59	0.96	0.94	0.96
belief sd	0.47	0.50	0.47	0.47	0.45	0.23	0.49	0.20	0.25	0.20
click mean	0.84	0.73	0.83	0.72	0.65	0.86	0.63	0.92	0.87	0.94
click sd	0.36	0.44	0.38	0.45	0.48	0.35	0.48	0.28	0.34	0.24
share mean	0.71	0.51	0.68	0.55	0.53	0.71	0.46	0.86	0.79	0.87
share sd	0.45	0.50	0.47	0.50	0.50	0.45	0.50	0.35	0.40	0.34

**Table D2.** Distributions of outcomes for each stimulus.

Headline	False 1	False 2	False 3	False 4	False 5	True 1	True 2	True 3	True 4	True 5
belief mean	0.66	0.55	0.68	0.67	0.72	0.94	0.59	0.96	0.94	0.96
belief sd	0.47	0.50	0.47	0.47	0.45	0.23	0.49	0.20	0.25	0.20
click mean	0.84	0.73	0.83	0.72	0.65	0.86	0.63	0.92	0.87	0.94
click sd	0.36	0.44	0.38	0.45	0.48	0.35	0.48	0.28	0.34	0.24
share mean	0.71	0.51	0.68	0.55	0.53	0.71	0.46	0.86	0.79	0.87
share sd	0.45	0.50	0.47	0.50	0.50	0.45	0.50	0.35	0.40	0.34

D.2 Stimuli images



Figure D2. False 1.



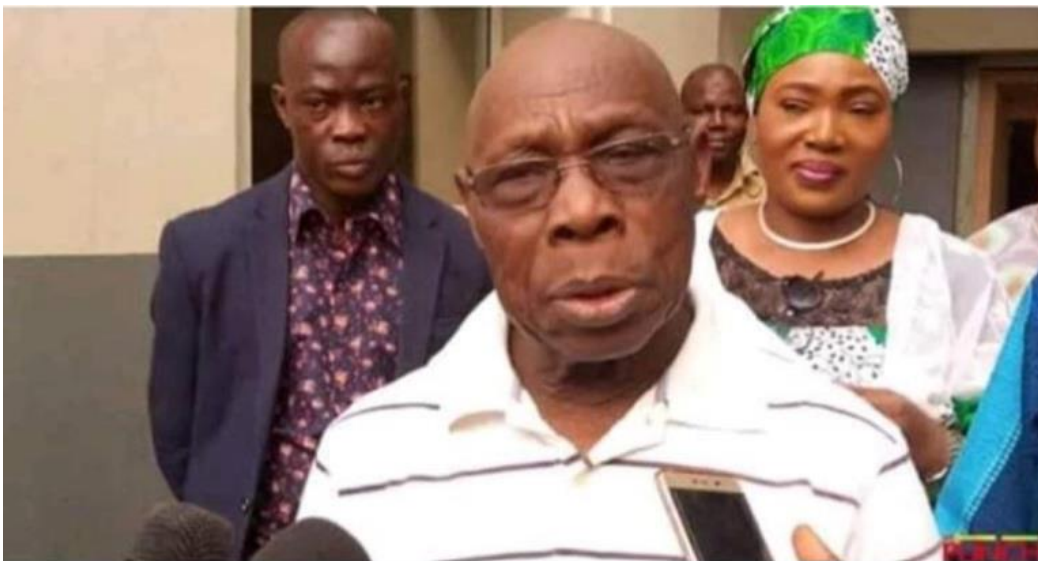
Figure D3. False 2.



TRIBUNEONLINENG.COM

**Chloroquine found effective against coronavirus, cures 12,552 patients in China**

*Figure D4. False 3.*



FOXNEWSNIGERIA.COM

**"There is no coronavirus in Nigeria...I want to see the Italian man, I wan get the virus too" says Obasanjo**

*Figure D5. False 4.*



SCANNEWSNIGERIA.COM

**President Muhammadu Buhari covering a face mask and having a skin to skin HANDSHAKE.**

*Figure D6. False 5.*



GUARDIAN.NG

**British Prime Minister Boris Johnson tests positive for coronavirus**

*Figure D7. True 1.*



URBANLIFEPOST.COM

### **Coronavirus caused by corruption says EFCC boss, Magu**

Mr. Magu The acting Chairman of Economic and Financial Crimes Commissio...

*Figure D8. True 2.*



DAILYPOST.NG

### **WHO declares coronavirus global health emergency - Daily Post Nigeria**

*Figure D9. True 3.*



PREMIUMTIMESNG.COM

**UPDATED: Nigeria bans all international flights as coronavirus cases rise**

*Figure D10. True 4.*

**First case of  
CORONAVIRUS DISEASE  
(COVID-19)  
confirmed in Nigeria**

28 February 2020

TWITTER.COM  
**Federal Ministry of Health, NIGERIA on Twitter**  
"The Federal Ministry of Health has confirmed a coronavirus(Covid-1..."

*Figure D11. True 5.*