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Replication File Codebook

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Title: Inoculation Reduces Misinformation: Experimental Evidence from a Multidimensional Intervention in Brazil

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This file contains codebook and source descriptions for:

- Study1.dta
- Study2.dta
- quaest_radomsurvey_results.csv

Main Manuscript Dataset: Study1.dta

This dataset comes from Quaest Consultoria & Pesquisa (survey data collected in 2020). This dataset combines rounds 1 and 2 for study 1. Questions v1-v51 are for the first wave and v52-v93 are for the second wave.

variable	class	description
v1	character	id
v2	character	Treatment Assignment: 1 “Treatment;” 0 “Control.”
v3	character	Open/received (1 = opened email, 0 = did not open, NA = control group)
ativa	character	Activated the voucher (1 = activated, NA = all other)
cadastro	character	Completed voucher form (1 = completed, NA = all other)
usa	character	Utilized the voucher (1 = completed, NA = all other)
v4	character	Turnout in first round election in SP, Sim = Yes, Nao = No
v5	character	Vote choice in first round (list of candidates)
v6	character	Who would not have voted for (list of candidates)
v7	character	Who would vote for in the second round (list of candidates, plus null-blank/abstention/undecided)
v8	character	Which candidate received support from president Bolsonaro (list of candidates, Don’t know)
v9	character	Which candidate ran for governor in 2018? (list of candidates, Don’t know)
v10	character	Who is the candidate for vice-mayor in Covas’s ticket? (list of candidates, Don’t know)
v11	character	Which candidate received support from Governor Doria? (list of candidates, Don’t know)
v12	character	Belief in how many questions of the previous 4 you got right (Nenhuma/Zero = 0, Uma = 1, Duas = 2, Tres = 3, Quatro = 4)
v13	character	Belief in how many questions of the previous 4 questions voters in SP get right on average (Nenhuma/Zero = 0, Uma = 1, Duas = 2, Tres = 3, Quatro = 4)
v14	character	Interest in politics, (very interested, interested, a bit interested, not interested)
v15	character	Ideological placement (Celso Russomano, 0 = extreme left and 10 = extreme right)
v16	character	Ideological placement (Jilmar Tatto, 0 = extreme left and 10 = extreme right)
v17	character	Ideological placement (Bruno Covas, 0 = extreme left and 10 = extreme right)
v18	character	Ideological placement (Marcio França, 0 = extreme left and 10 = extreme right)
v19	character	Ideological placement (Guilherme Boulos, 0 = extreme left and 10 = extreme right)
v20	character	Vote choice runoff in presidential elections 2018 (list of candidates, null-blank-abstention)
v21	character	If elections were held today, who would you vote for in the runoff? (list of candidates, null-blank-abstention)
v22	character	Party identification (list of parties, multiple choice)
v23	character	Party antipathy (list of parties, multiple choice)
v24	character	Ideological self-placement (0=extreme left and 10=extreme right)
v25	character	Ideology – state ownership of private companies (1 = completely disagree and 10 = completely agree)
v26	character	Ideology – state address inequality (1 = completely disagree and 10 = completely agree)
v27	character	Ideology – race-based affirmative action (1 = completely disagree and 10 = completely agree)

v28	character	Ideology – racial harmony (1 = completely disagree and 10 = completely agree)
v29	character	Ideology – abortion (1 = completely disagree and 10 = completely agree)
v30	character	Ideology – same sex marriage (1 = completely disagree and 10 = completely agree)
v31	character	Ideology – religious education in schools (1 = completely disagree and 10 = completely agree)
v32	character	Ideology – gender inequality labor market (1 = completely disagree and 10 = completely agree)
v33	character	Evaluation of Mayor Covas (5-point scale, Excellent, Good, regular +, regular -, bad, Horrible, Don't know)
v34	character	Evaluation of Governor Doria (5-point scale, Excellent, Good, regular +, regular -, bad, Horrible, Don't know)
v35	character	Evaluation of President Bolsonaro (5-point scale, Excellent, Good, regular +, regular -, bad, Horrible, Don't know)
v36	character	Types of media used to learn about politics: newspapers and news; TV news; Radio; Blogs; Instagram; YouTube; Facebook; Twitter; Chatting with friend, colleagues, etc; Google; None
v37	character	Days a week watched/read/listened Globo (1-7, none)
v38	character	Days a week watched/read/listened Rede Record (1-7, none)
v39	character	Days a week watched/read/listened Folha de São Paulo (1-7, none)
v40	character	Days a week watched/read/listened Canal Terça Livre (1-7, none)
v41	character	Days a week watched/read/listened Canal Brasil Paralelo (1-7, none)
v42	character	Days a week watched/read/listened UOL (1-7, none)
v43	character	Days a week watched/read/listened Jovem Pan (1-7, none)
v44	character	Days a week watched/read/listened Brasil 247 (1-7, none)
v45	character	Trust in media (0 = no at all, 10 = completely trust)
v46	character	Belief in story (True; False)
v47	character	Belief in story (True; False)
v48	character	Belief in story (True; False)
v49	character	Belief in story (True; False)
v50	character	Religions (1 = Catholic, 2 = Evangelical, 3 = Espírita, 4 = Other religions, 5 = Religious, but doesn't have a specific one, 6 = Atheist/not religious)
v51	character	Folha Subscriber (Yes; No)
v52	character	Vote choice in runoff (list of candidates; abstention/null-blank)
v53	character	Which candidate received support from president Bolsonaro (list of candidates, Don't know)
v54	character	Which candidate ran for governor in 2018? (list of candidates, Don't know)
v55	character	Who is the candidate for vice-mayor in Covas's ticket? (list of candidates, Don't know)
v56	character	Which candidate received support from Governor Doria? (list of candidates, Don't know)
v57	character	Belief in how many questions of the previous 4 you got right (Nenhuma/Zero = 0, Uma = 1, Duas = 2, Tres = 3, Quatro = 4)
v58	character	Belief in how many questions of the previous 4 questions voters in SP get right, on average(Nenhuma/Zero = 0, Uma = 1, Duas = 2, Tres = 3, Quatro = 4)
v59	character	Party identification (list of parties, multiple choice)
v60	character	Party antipathy (list of parties, multiple choice)
v61	character	Disengagement (Agrees completely, Agrees, Neither agrees nor disagrees, Disagrees, Disagrees completely)
v62	character	Evaluation of Mayor Covas (5-point scale, Excellent, Good, regular +, regular -, bad, Horrible, Don't know)
v63	character	Evaluation of Governor Doria (5-point scale, Excellent, Good, regular +, regular -, bad, Horrible, Don't know)

v64	character	Evaluation of President Bolsonaro (5-point scale, Excellent, Good, regular +, regular -, bad, Horrible, Don't know)
v65	character	Feeling thermometer Covas (0 = Doesn't like at all, 10 = Likes a lot)
v66	character	Feeling thermometer Boulos (0 = Doesn't like at all, 10 = Likes a lot)
v67	character	Feeling thermometer Bolsonaro (0 = Doesn't like at all, 10 = Likes a lot)
v68	character	Feeling thermometer Lula (0 = Doesn't like at all, 10 = Likes a lot)
v69	character	Types of media used to learn about politics: newspapers and news; TV news; Radio; Blogs; Instagram; YouTube; Facebook; Twitter; Chatting with friend, colleagues, etc; Google; None
v70	character	Days a week watched/read/listened Globo (1-7, none)
v71	character	Days a week watched/read/listened Rede Record (1-7, none)
v72	character	Days a week watched/read/listened Folha de São Paulo (1-7, none)
v73	character	Days a week watched/read/listened Canal Terça Livre (1-7, none)
v74	character	Days a week watched/read/listened Canal Brasil Paralelo (1-7, none)
v75	character	Days a week watched/read/listened UOL (1-7, none)
v76	character	Days a week watched/read/listened Jovem Pan (1-7, none)
v77	character	Days a week watched/read/listened Brasil 247 (1-7, none)
v78	character	Trust in media (0= no trust, 10=completely trust)
v79	character	Belief in false story (True; False)
v80	character	Belief in false story (True; False)
v81	character	Belief in false story (True; False)
v82	character	Belief in false story (True; False)
v83	character	Religions (Catholic, Evangelical, Espírita, Other religions, religious, but doesn't have a specific one, Atheist/not religious)
v84	character	Dogmatismo (Doesn't mind being indecisive; It is important to decide)
v85	character	Folha subscriber (1= yes, 0 = no)
v86	character	Which website do you use to check stories? (open ended)
v87	character	Usefulness of fact-checking agencies (Agrees completely, agree, neither agrees nor disagrees, disagrees, disagrees completely)
v88	character	Frequency which fact checking is used
v89	character	Trust in media (0 = no trust at all, 10 = trusts a lot)
v90	character	Gender (Male, Female)
v91	numeric	Age
v92	character	Region (southeast)
v93	character	IBGE classes

Note: Missing data as "NA"

Main Manuscript Dataset: Study2.dta

This dataset comes from Quaest Consultoria & Pesquisa (survey data collected in 2022). Wave 2 questions contain in (w2) in the variable labels.

variable	class	description
v1	numeric	Numeric id
id	character	Qualtrics id
startdate	character	Start date survey
enddate	character	End date survey
status	numeric	Status ID
progress	numeric	Progress completion
duration__in_seconds_	numeric	Time spent to complete
finished	numeric	Completion indicator
recordeddate	character	Save/recorded date
externalreference	numeric	NA
userlanguage	character	Language indicator (Portuguese)
consent	numeric	Consent indicator (filtered to only those who consented)
filter	numeric	Filter indicator
gender	numeric	Gender (1 = Male, 2 = Female, 3= Nonbinary, 4 = Prefer not to say)
age	numeric	Age
age_cat	character	Age brackets
educ_cat	character	Formal schooling brackets (Fundamental complete/incomplete, High School complete/incomplete, Higher degree complete/incomplete)
race	character	IBGE race categories (Asian, White, Indigenous, Brown, Black)
income	numeric	Income brackets (1= Até R$ 1.045,00 (até 1 SM), 2 = De R$ 1.046,00 a R$ 2.090,00 (+ de 1SM até 2 SM), 3= De R$ 2.091,00 a R$ 3.135,00 (+ de 2SM até 3 SM), 4 = De R$ 3.136,00 a R$ 5.225,00 (+ de 3SM até 5 SM), 5 = De R$ 5.226,00 a R$ 10.450,00 (+ de 5SM até 10 SM), 6 = De R$ 10.451,00 a R$ 15.675,00 (+ de 10SM até 15 SM), 7 = De R$ 15.676,00 a R$ 20.900,00 (+ de 15SM até 20 SM), 8 = Mais de R$ 20.900,00 (+ de 20 SM))
relig	numeric	Religions (1 = Catholic, 2 = Evangelical, 3 = Espírita, 4 = Other religions, 5 = Religious, but doesn't have a specific one, 6 = Atheist/not religious)
interest	numeric	Political Interest, (1= very interested, 2 = interested, 3 = a bit interested, 4 = not interested)
pastvote	numeric	Vote choice in the runoff 2018 (1 = Bolsonaro, 2 = Lula, 3 = None, 4= Don't know)
votetoday	numeric	If elections were held today, who would you vote for (1 = Bolsonaro, 2 = Lula, 3 = None, 4= Don't know)
ideo_nps_group	numeric	Qualtrics recode of ideology
ideo	numeric	Ideology (0 =extreme left and 10 = extreme right)
feel_1	numeric	Feeling thermometer 1-10: Jair Bolsonaro

feel_2	numeric	Feeling thermometer 1-10: Lula
feel_3	numeric	Feeling thermometer 1-10: Sergio Moro
mediatrust_nps_group	numeric	Qualtrics recode of media trust
mediatrust	numeric	Media Trust (0 = no trust, 10 = trust completely)
news1f_timing_first_click	numeric	Timing before first click in question
news1f_timing_last_click	numeric	Timing before last click before next in question
news1f_timing_page_submit	numeric	Timing to submit in question
news1f_timing_click_count	numeric	Click count
news1f	numeric	Belief in fake story 1 (1 = true and 2 = False)
news2f_timing_first_click	numeric	Timing before first click in question
news2f_timing_last_click	numeric	Timing before last click before next in question
news2f_timing_page_submit	numeric	Timing to submit in question
news2f_timing_click_count	numeric	Click count
news2f	numeric	Belief in fake story 2 (1 = true and 2 = False)
news3f_timing_first_click	numeric	Timing before first click in question
news3f_timing_last_click	numeric	Timing before last click before next in question
news3f_timing_page_submit	numeric	Timing to submit in question
news3f_timing_click_count	numeric	Click count
news3f	numeric	Belief in fake story 3 (1 = true and 2 = False)
news4f_timing_first_click	numeric	Timing before first click in question
news4f_timing_last_click	numeric	Timing before last click before next in question
news4f_timing_page_submit	numeric	Timing to submit in question
news4f_timing_click_count	numeric	Click count
news4f	numeric	Belief in fake story 4 (1 = true and 2 = False)
news5f_timing_first_click	numeric	Timing before first click in question
news5f_timing_last_click	numeric	Timing before last click before next in question
news5f_timing_page_submit	numeric	Timing to submit in question
news5f_timing_click_count	numeric	Click count
news5f	numeric	Belief in fake story 5 (1 = true and 2 = False)
news6f_timing_first_click	numeric	Timing before first click in question
news6f_timing_last_click	numeric	Timing before last click before next in question
news6f_timing_page_submit	numeric	Timing to submit in question
news6f_timing_click_count	numeric	Click count
news6f	numeric	Belief in fake story 6 (1 = true and 2 = False)
news7f_timing_first_click	numeric	Timing before first click in question
news7f_timing_last_click	numeric	Timing before last click before next in question
news7f_timing_page_submit	numeric	Timing to submit in question
news7f_timing_click_count	numeric	Click count
news7f	numeric	Belief in fake story 7 (1 = true and 2 = False)
news8t_timing_first_click	numeric	Timing before first click in question
news8t_timing_last_click	numeric	Timing before last click before next in question

news8t_timing_page_submit	numeric	Timing to submit in question
news8t_timing_click_count	numeric	Click count
news8t	numeric	Belief in true story 1 (1 = true and 2 = False)
news9t_timing_first_click	numeric	Timing before first click in question
news9t_timing_last_click	numeric	Timing before last click before next in question
news9t_timing_page_submit	numeric	Timing to submit in question
news9t_timing_click_count	numeric	Click count
news9t	numeric	Belief in true story 2 (1 = true and 2 = False)
news10t_timing_first_click	numeric	Timing before first click in question
news10t_timing_last_click	numeric	Timing before last click before next in question
news10t_timing_page_submit	numeric	Timing to submit in question
news10t_timing_click_count	numeric	Click count
news10t	numeric	Belief in true story 3 (1 = true and 2 = False)
attent1	numeric	Perception of fake news as an issue (1 = very serious, 2 = somewhat serious, 3 = not serious)
attent2	numeric	Importance of fact checking agencies (1 = very important, 2 = somewhat important, 3 = not important)
abil1	numeric	Perception of ability to detect fake news (1 = very good, 2 = good, 3 = bad, 4 = very bad)
abil2	numeric	Perception of difficulty in detecting fake news (1 = very easy, 2 = easy, 3 = difficult, 4 = very difficult)
treatment	numeric	Assignment to treatment indicator (1 = treatment, 0 = control)
news_t_1	numeric	Type of media to learn about politics treatment: newspapers and news
news_t_2	numeric	Type of media to learn about politics treatment: TV news
news_t_3	numeric	Type of media to learn about politics treatment: radio
news_t_4	numeric	Type of media to learn about politics treatment: blogs
news_t_5	numeric	Type of media to learn about politics treatment: Instagram
news_t_6	numeric	Type of media to learn about politics treatment: Youtube
news_t_7	numeric	Type of media to learn about politics treatment: Facebook
news_t_8	numeric	Type of media to learn about politics treatment: Twitter
news_t_9	numeric	Type of media to learn about politics treatment: WhatsApp
news_t_10	numeric	Type of media to learn about politics treatment: Chatting with friends, colleagues, etc
news_t_11	numeric	Type of media to learn about politics treatment: Google
news_t_14	numeric	Type of media to learn about politics treatment: podcasts
news_t_12	numeric	Type of media to learn about politics treatment: others
news_t_13	numeric	Type of media to learn about politics treatment: None
news_c_1	numeric	Type of media to learn about politics control: newspapers and news
news_c_2	numeric	Type of media to learn about politics control: TV news
news_c_3	numeric	Type of media to learn about politics control: radio
news_c_4	numeric	Type of media to learn about politics control: blogs
news_c_5	numeric	Type of media to learn about politics control: Instagram
news_c_6	numeric	Type of media to learn about politics control: Youtube

news_c_7	numeric	Type of media to learn about politics control: Facebook
news_c_8	numeric	Type of media to learn about politics control: Twitter
news_c_9	numeric	Type of media to learn about politics control: WhatsApp
news_c_10	numeric	Type of media to learn about politics control: Chatting with friends, colleagues, etc
news_c_11	numeric	Type of media to learn about politics treatment: Google
news_c_14	numeric	Type of media to learn about politics treatment: podcasts
news_c_12	numeric	Type of media to learn about politics treatment: others
news_c_13	numeric	Type of media to learn about politics treatment: None
read_stimuli	numeric	Indicator if received/opened email
w2_consent	numeric	Consent indicator
w2_gender	numeric	Gender (1 = Male, 2 = Female, 3= Nonbinary, 4 = Prefer not to say)
w2_pastvote	numeric	Vote choice in the runoff 2018 (1 = Bolsonaro, 2 = Lula, 3 = None, 4= Don't know)
w2_votetoday	numeric	If elections were held today, who would you vote for (1 = Bolsonaro, 2 = Lula, 3 = None, 4= Don't know)
w2_ideo_nps_group	numeric	Qualtrics recode of ideology
w2_ideo	numeric	Ideology (0 =extreme left and 10 = extreme right)
w2_feel_1	numeric	Feeling thermometer 1-10: Jair Bolsonaro
w2_feel_2	numeric	Feeling thermometer 1-10: Lula
w2_feel_3	numeric	Feeling thermometer 1-10: Sergio Moro
w2_mediatrust_nps_group	numeric	Qualtrics recode of media trust
w2_mediatrust	numeric	Media Trust (0 = no trust, 10 = trust completely)
w2_news1f_timing_first_click	numeric	Timing before first click in question
w2_news1f_timing_last_click	numeric	Timing before last click before next in question
w2_news1f_timing_page_submit	numeric	Timing to submit in question
w2_news1f_timing_click_count	numeric	Click count
w2_news1f	numeric	Belief in fake story 1 (1 = true and 2 = False)
w2_news2fb_timing_first_click	numeric	Timing before first click in question
w2_news2fb_timing_last_click	numeric	Timing before last click before next in question
w2_news2fb_timing_page_submit	numeric	Timing to submit in question
w2_news2fb_timing_click_count	numeric	Click count
w2_news2fb	numeric	Belief in fake story 2 alternative (1 = true and 2 = False)
w2_news3f_timing_first_click	numeric	Timing before first click in question
w2_news3f_timing_last_click	numeric	Timing before last click before next in question
w2_news3f_timing_page_submit	numeric	Timing to submit in question
w2_news3f_timing_click_count	numeric	Click count
w2_news3f	numeric	Belief in fake story 3 (1 = true and 2 = False)
w2_news4fb_timing_first_click	numeric	Timing before first click in question
w2_news4fb_timing_last_click	numeric	Timing before last click before next in question
w2_news4fb_timing_page_submit	numeric	Timing to submit in question
w2_news4fb_timing_click_count	numeric	Click count

w2_news4fb	numeric	Belief in fake story 4 alternative (1 = true and 2 = False)
w2_news5fb_timing_first_click	numeric	Timing before first click in question
w2_news5fb_timing_last_click	numeric	Timing before last click before next in question
w2_news5fb_timing_page_submit	numeric	Timing to submit in question
w2_news5fb_timing_click_count	numeric	Click count
w2_news5fb	numeric	Belief in fake story 5 alternative (1 = true and 2 = False)
w2_news6f_timing_first_click	numeric	Timing before first click in question
w2_news6f_timing_last_click	numeric	Timing before last click before next in question
w2_news6f_timing_page_submit	numeric	Timing to submit in question
w2_news6f_timing_click_count	numeric	Click count
w2_news6f	numeric	Belief in fake story 6 (1 = true and 2 = False)
w2_news7fb_timing_first_click	numeric	Timing before first click in question
w2_news7fb_timing_last_click	numeric	Timing before last click before next in question
w2_news7fb_timing_page_submit	numeric	Timing to submit in question
w2_news7fb_timing_click_count	numeric	Click count
w2_news7fb	numeric	Belief in fake story 7 alternative (1 = true and 2 = False)
w2_news8t_timing_first_click	numeric	Timing before first click in question
w2_news8t_timing_last_click	numeric	Timing before last click before next in question
w2_news8t_timing_page_submit	numeric	Timing to submit in question
w2_news8t_timing_click_count	numeric	Click count
w2_news8t	numeric	Belief in true story 1 (1 = true and 2 = False)
w2_news9tb_timing_first_click	numeric	Timing before first click in question
w2_news9tb_timing_last_click	numeric	Timing before last click before next in question
w2_news9tb_timing_page_submit	numeric	Timing to submit in question
w2_news9tb_timing_click_count	numeric	Click count
w2_news9tb	numeric	Belief in true 2 alternative (1 = true and 2 = False)
w2_news10tb_timing_first_click	numeric	Timing before first click in question
w2_news10tb_timing_last_click	numeric	Timing before last click before next in question
w2_news10tb_timing_page_submit	numeric	Timing to submit in question
w2_news10tb_timing_click_count	numeric	Click count
w2_news10tb	numeric	Belief in true 3 alternative
w2_attent1	numeric	Perception of fake news as an issue (1 = very serious, 2 = somewhat serious, 3 = not serious)
w2_attent2	numeric	Importance of fact checking agencies (1 = very important, 2 = somewhat important, 3 = not important)
w2_abil1	numeric	Perception of ability to detect fake news (1 = very good, 2 = good, 3 = bad, 4 = very bad)
w2_abil2	numeric	Perception of difficulty in detecting fake news (1 = very easy, 2 = easy, 3 = difficult, 4 = very difficult)
w2_convite	numeric	empty

Note: Missing data as “.”

Online Appendix Dataset: quaest_radomsurvey_results.csv

This dataset comes from automated responses from a mock survey experiment using Quaest's randomization algorithm

variable	class	description
Q1	character	Mock pre-treatment question
Selected_answer	character	Answer to mock pre-treatment question (Direita)
Q2	character	Randomized question (Bolsonaro endorsement treatment, no endorsement no treatment)
Answer_button	character	Mock outcome question
Time_execution	character	Time stamp