Conversations with a concern-addressing chatbot increase COVID-19 vaccination intentions among social media users in Kenya and Nigeria Leah Rosenzweig, Molly Offer-Westort; Codebook for clean_learning_concerns_data.rds

Autogenerated data summary from dataMaid

2024-11-29 16:07:58.062079

Data report overview

The dataset examined has the following dimensions:

Feature	Result
Number of observations	4803
Number of variables	37

Codebook summary table

Label	Variable	Class	# unique values	Missing	Description
	user_id	integer	3905	0.00 %	Unique identifier for each user participating in the study.
	concern_id	integer	7	0.00 %	Respondent's concern: 1) I'm worried about the side effects of the vaccine; 2) I don't know if the vaccine works; 3) I don't think COVID-19 is real; 4) I don't need the vaccine because I am protected by God; 5) I don't trust healthcare workers; 6) I don't trust the government; 7) I am hearing different things about the vaccine, and I'm not sure what to believe; 8) Other (only allowed in learning data).
	treatment_id	integer	16	0.00 %	Identifier for the treatment message assigned to the user; corresponds to specific message content.
	success	integer	2	0.00 %	Binary variable indicating the success of the treatment in addressing the user's concern; coded as 1 for success, 0 otherwise.

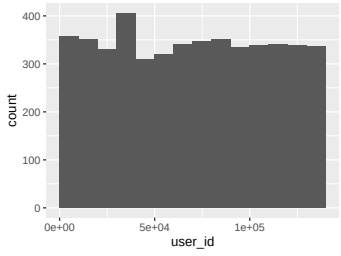
Label	Variable	Class	# unique values	Missing	Description
	prob	numeric	1863	0.00 %	Probability of the concern being assigned to the realized treatment group; numeric value between 0 and 1.
	get_vaccinated_2_imputed	numeric	5	0.00 %	Post-test response function; imputed respondent intentions to get vaccinated.
	willingness_2_imputed	numeric	5	0.00 %	Post-test response function; imputed respondent willingness to get vaccinated.
	prob_c1_m16	numeric	873	0.00 %	Probability of being assigned message 16 for concern 1.
	prob_c1_m17	numeric	876	0.00 %	Probability of being assigned message 17 for concern 1.
	prob_c1_m2	numeric	295	0.00 %	Probability of being assigned message 2 for concern 1.
	prob_c1_m1	numeric	233	0.00 %	Probability of being assigned message 1 for concern 1.
	prob_c2_m13	numeric	215	0.00 %	Probability of being assigned message 13 for concern 2.
	prob_c2_m8	numeric	132	0.00 %	Probability of being assigned message 8 for concern 2.
	prob_c2_m4	numeric	198	0.00 %	Probability of being assigned message 4 for concern 2.
	prob_c2_m3	numeric	114	0.00 %	Probability of being assigned message 3 for concern 2.
	prob_c3_m2	numeric	9	0.00 %	Probability of being assigned message 2 for concern 3.
	prob_c3_m6	numeric	9	0.00 %	Probability of being assigned message 6 for concern 3.
	prob_c3_m10	numeric	9	0.00 %	Probability of being assigned message 10 for concern 3.
	prob_c3_m8	numeric	8	0.00 %	Probability of being assigned message 8 for concern 3.
	prob_c4_m2	numeric	111	0.00 %	Probability of being assigned message 2 for concern 4.
	prob_c4_m12	numeric	148	0.00 %	Probability of being assigned message 12 for concern 4.
	prob_c4_m6	numeric	182	0.00 %	Probability of being assigned message 6 for concern 4.
	prob_c5_m3	numeric	18	0.00 %	Probability of being assigned message 3 for concern 5.
	prob_c5_m4	numeric	39	0.00 %	Probability of being assigned message 4 for concern 5.
	prob_c5_m6	numeric	38	0.00 %	Probability of being assigned message 6 for concern 5.
	prob_c5_m14	numeric	39	0.00 %	Probability of being assigned message 14 for concern 5.
	prob_c5_m15	numeric	34	0.00 %	Probability of being assigned message 15 for concern 5.
	prob_c6_m4	numeric	255	0.00 %	Probability of being assigned message 4 for concern 6.
	prob_c6_m5	numeric	174	0.00 %	Probability of being assigned message 5 for concern 6.

Label	Variable	Class	# unique values	Missing	Description
	prob_c6_m6	numeric	26	0.00 %	Probability of being assigned message 6 for concern 6.
	prob_c6_m14	numeric	276	0.00 %	Probability of being assigned message 14 for concern 6.
	prob_c6_m15	numeric	192	0.00 %	Probability of being assigned message 15 for concern 6.
	prob_c7_m7	numeric	488	0.00 %	Probability of being assigned message 7 for concern 7.
	prob_c7_m8	numeric	215	0.00 %	Probability of being assigned message 8 for concern 7.
	prob_c7_m10	numeric	639	0.00 %	Probability of being assigned message 10 for concern 7.
	prob_c7_m11	numeric	250	0.00 %	Probability of being assigned message 11 for concern 7.
	prob_c7_m17	numeric	583	0.00 %	Probability of being assigned message 17 for concern 7.

Variable list

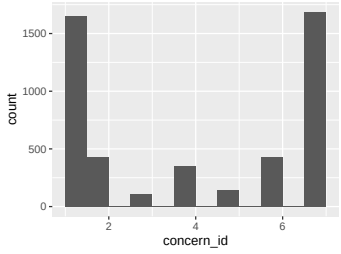
user_id

Feature	Result
Variable type	integer
Number of missing obs.	0 (0 %)
Number of unique values	3905
Median	69700
1st and 3rd quartiles	33470.5; 104507
Min. and max.	3; 139335



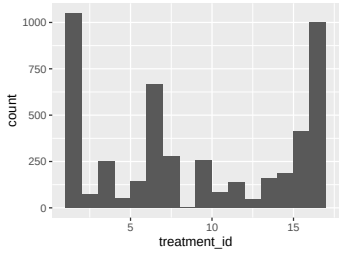
concern_id

Feature	Result
Variable type	integer
Number of missing obs.	0 (0 %)
Number of unique values	7
Median	4
1st and 3rd quartiles	1; 7
Min. and max.	1; 7



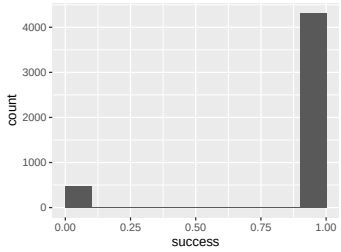
treatment_id

Feature	Result
Variable type	integer
Number of missing obs.	0 (0 %)
Number of unique values	16
Median	8
1st and 3rd quartiles	4; 16
Min. and max.	1; 17



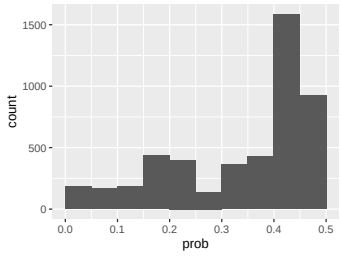
success

Feature	Result
Variable type	integer
Number of missing obs.	0 (0 %)
Number of unique values	2
Median	1
1st and 3rd quartiles	1; 1
Min. and max.	0; 1



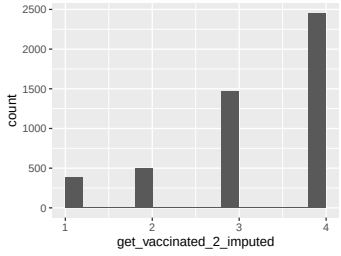
prob

Feature	Result
Variable type	numeric
Number of missing obs.	0 (0 %)
Number of unique values	1863
Median	0.41
1st and 3rd quartiles	0.25; 0.45
Min. and max.	0.02; 0.48



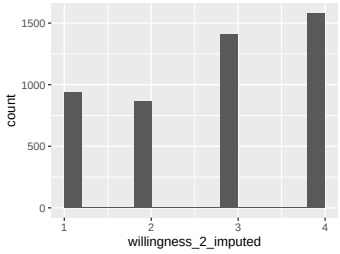
get_vaccinated_2_imputed

Feature	Result
Variable type	numeric
Number of missing obs.	0 (0 %)
Number of unique values	5
Median	4
1st and 3rd quartiles	3; 4
Min. and max.	1; 4



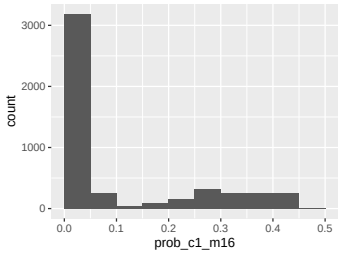
willingness_2_imputed

Feature	Result
Variable type	numeric
Number of missing obs.	0 (0 %)
Number of unique values	5
Median	3
1st and 3rd quartiles	2; 4
Min. and max.	1; 4



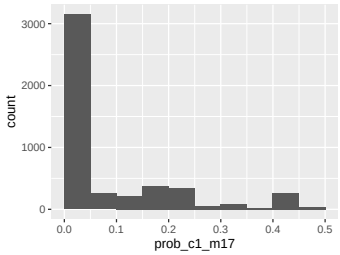
prob_c1_m16

Feature	Result
Variable type	numeric
Number of missing obs.	0 (0 %)
Number of unique values	873
Median	0
1st and 3rd quartiles	0; 0.24
Min. and max.	0; 0.45



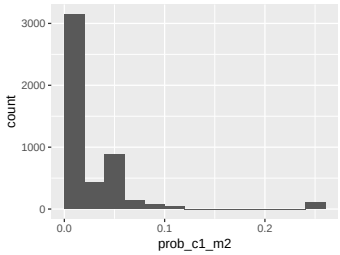
prob_c1_m17

Feature	Result
Variable type	numeric
Number of missing obs.	0 (0 %)
Number of unique values	876
Median	0
1st and 3rd quartiles	0; 0.15
Min. and max.	0; 0.46



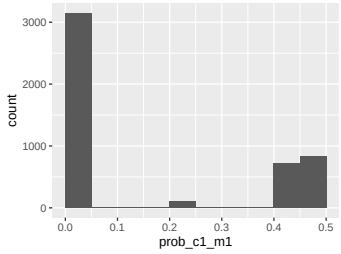
prob_c1_m2

Feature	Result
Variable type	numeric
Number of missing obs.	0 (0 %)
Number of unique values	295
Median	0
1st and 3rd quartiles	0; 0.04
Min. and max.	0; 0.25



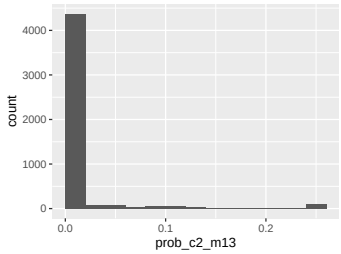
prob_c1_m1

Feature	Result
Variable type	numeric
Number of missing obs.	0 (0 %)
Number of unique values	233
Median	0
1st and 3rd quartiles	0; 0.44
Min. and max.	0; 0.48



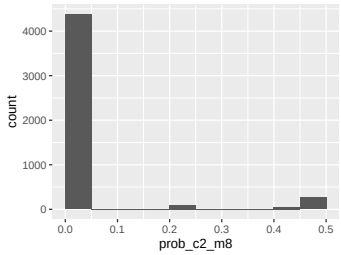
prob_c2_m13

Feature	Result
Variable type	numeric
Number of missing obs.	0 (0 %)
Number of unique values	215
Median	0
1st and 3rd quartiles	0; 0
Min. and max.	0; 0.25



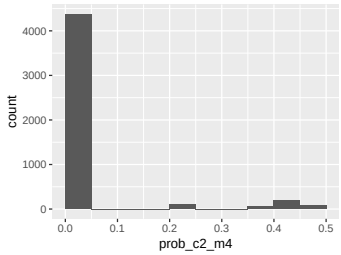
prob_c2_m8

Feature	Result
Variable type	numeric
Number of missing obs.	0 (0 %)
Number of unique values	132
Median	0
1st and 3rd quartiles	0; 0
Min. and max.	0; 0.47



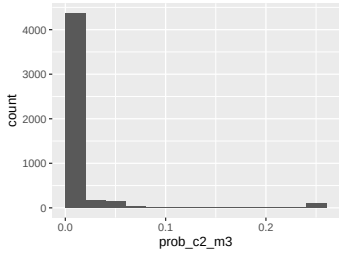
prob_c2_m4

Feature	Result
Variable type	numeric
Number of missing obs.	0 (0 %)
Number of unique values	198
Median	0
1st and 3rd quartiles	0; 0
Min. and max.	0; 0.46



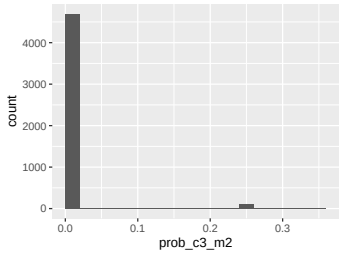
prob_c2_m3

Feature	Result
Variable type	numeric
Number of missing obs.	0 (0 %)
Number of unique values	114
Median	0
1st and 3rd quartiles	0; 0
Min. and max.	0; 0.25



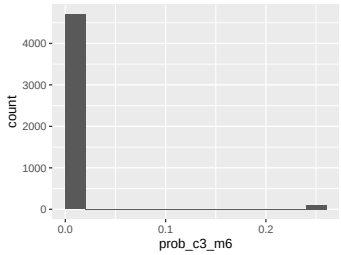
prob_c3_m2

Feature	Result
Variable type	numeric
Number of missing obs.	0 (0 %)
Number of unique values	9
Median	0
1st and 3rd quartiles	0; 0
Min. and max.	0; 0.35



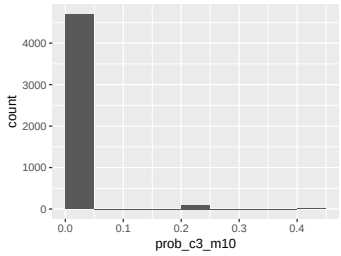
prob_c3_m6

Feature	Result
Variable type	numeric
Number of missing obs.	0 (0 %)
Number of unique values	9
Median	0
1st and 3rd quartiles	0; 0
Min. and max.	0; 0.25



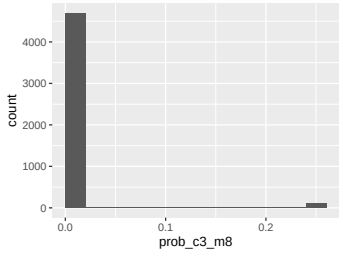
prob_c3_m10

Feature	Result
Variable type	numeric
Number of missing obs.	0 (0 %)
Number of unique values	9
Median	0
1st and 3rd quartiles	0; 0
Min. and max.	0; 0.42



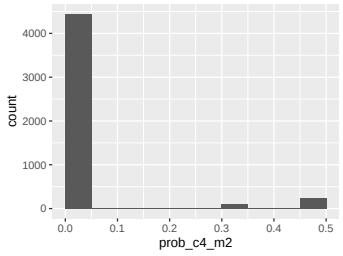
prob_c3_m8

Feature	Result
Variable type	numeric
Number of missing obs.	0 (0 %)
Number of unique values	8
Median	0
1st and 3rd quartiles	0; 0
Min. and max.	0; 0.25



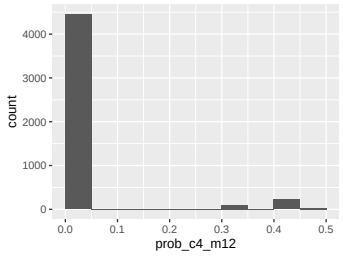
prob_c4_m2

Feature	Result
Variable type	numeric
Number of missing obs.	0 (0 %)
Number of unique values	111
Median	0
1st and 3rd quartiles	0; 0
Min. and max.	0; 0.48



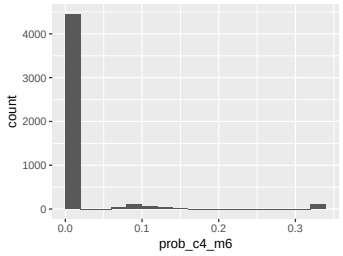
prob_c4_m12

Feature	Result
Variable type	numeric
Number of missing obs.	0 (0 %)
Number of unique values	148
Median	0
1st and 3rd quartiles	0; 0
Min. and max.	0; 0.46



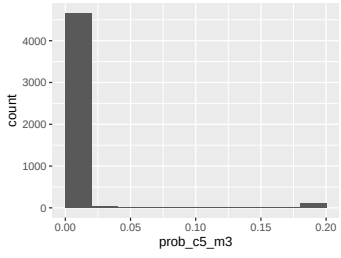
prob_c4_m6

Feature	Result
Variable type	numeric
Number of missing obs.	0 (0 %)
Number of unique values	182
Median	0
1st and 3rd quartiles	0; 0
Min. and max.	0; 0.33



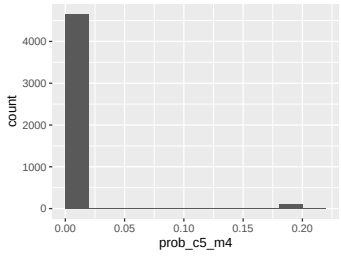
prob_c5_m3

Feature	Result
Variable type	numeric
Number of missing obs.	0 (0 %)
Number of unique values	18
Median	0
1st and 3rd quartiles	0; 0
Min. and max.	0; 0.2



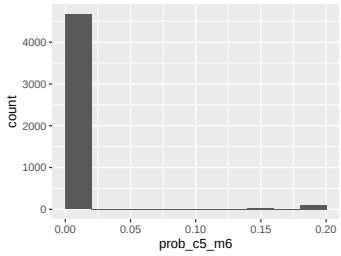
prob_c5_m4

Feature	Result
Variable type	numeric
Number of missing obs.	0 (0 %)
Number of unique values	39
Median	0
1st and 3rd quartiles	0; 0
Min. and max.	0; 0.2



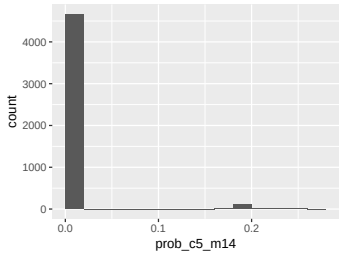
prob_c5_m6

Feature	Result
Variable type	numeric
Number of missing obs.	0 (0 %)
Number of unique values	38
Median	0
1st and 3rd quartiles	0; 0
Min. and max.	0; 0.2



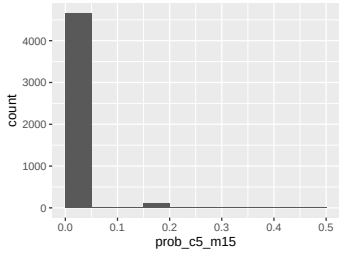
prob_c5_m14

Feature	Result
Variable type	numeric
Number of missing obs.	0 (0 %)
Number of unique values	39
Median	0
1st and 3rd quartiles	0; 0
Min. and max.	0; 0.26



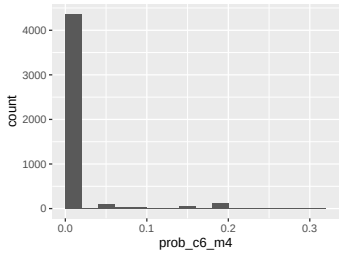
prob_c5_m15

Feature	Result
Variable type	numeric
Number of missing obs.	0 (0 %)
Number of unique values	34
Median	0
1st and 3rd quartiles	0; 0
Min. and max.	0; 0.46



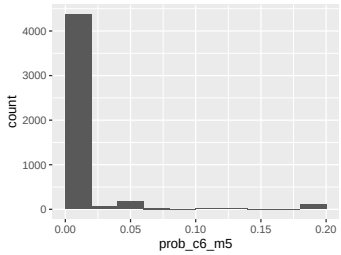
prob_c6_m4

Feature	Result
Variable type	numeric
Number of missing obs.	0 (0 %)
Number of unique values	255
Median	0
1st and 3rd quartiles	0; 0
Min. and max.	0; 0.3



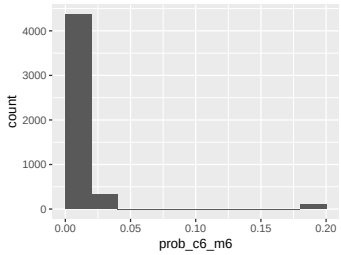
prob_c6_m5

Feature	Result
Variable type	numeric
Number of missing obs.	0 (0 %)
Number of unique values	174
Median	0
1st and 3rd quartiles	0; 0
Min. and max.	0; 0.2



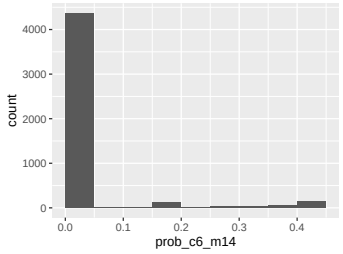
prob_c6_m6

Feature	Result
Variable type	numeric
Number of missing obs.	0 (0 %)
Number of unique values	26
Median	0
1st and 3rd quartiles	0; 0
Min. and max.	0; 0.2



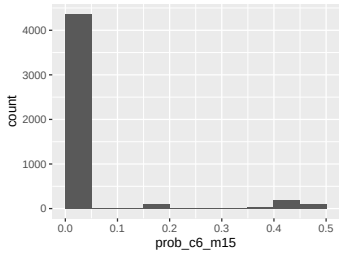
prob_c6_m14

Feature	Result
Variable type	numeric
Number of missing obs.	0 (0 %)
Number of unique values	276
Median	0
1st and 3rd quartiles	0; 0
Min. and max.	0; 0.45



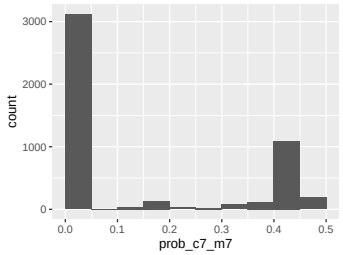
prob_c6_m15

Feature	Result
Variable type	numeric
Number of missing obs.	0 (0 %)
Number of unique values	192
Median	0
1st and 3rd quartiles	0; 0
Min. and max.	0; 0.47



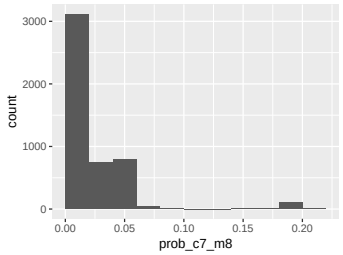
prob_c7_m7

Feature	Result
Variable type	numeric
Number of missing obs.	0 (0 %)
Number of unique values	488
Median	0
1st and 3rd quartiles	0; 0.42
Min. and max.	0; 0.46



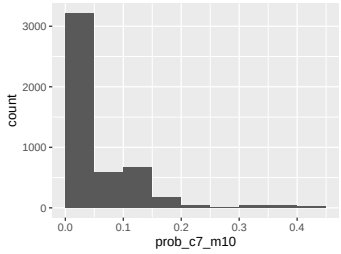
prob_c7_m8

Feature	Result
Variable type	numeric
Number of missing obs.	0 (0 %)
Number of unique values	215
Median	0
1st and 3rd quartiles	0; 0.03
Min. and max.	0; 0.21



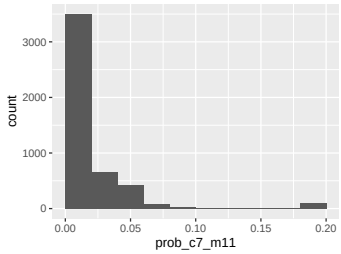
prob_c7_m10

Feature	Result
Variable type	numeric
Number of missing obs.	0 (0 %)
Number of unique values	639
Median	0
1st and 3rd quartiles	0; 0.08
Min. and max.	0; 0.43



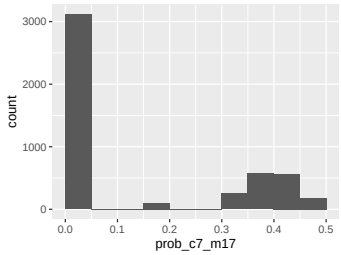
prob_c7_m11

Feature	Result
Variable type	numeric
Number of missing obs.	0 (0 %)
Number of unique values	250
Median	0
1st and 3rd quartiles	0; 0.02
Min. and max.	0; 0.2



prob_c7_m17

Feature	Result
Variable type	numeric
Number of missing obs.	0 (0 %)
Number of unique values	583
Median	0
1st and 3rd quartiles	0; 0.36
Min. and max.	0; 0.46



Report generation information:

- Created by: Molly Offer-Westort (username: `moffer`).
- Report creation time: Fri Nov 29 2024 16:07:58
- Report was run from directory: `/Users/moffer/Documents/Git/vaccine-confidence-chatbot/paper/replication`
- dataMaid v1.4.1 [Pkg: 2021-10-08 from CRAN (R 4.3.0)]
- R version 4.3.1 (2023-06-16).
- Platform: aarch64-apple-darwin20 (64-bit)(America/Argentina/Buenos_Aires).
- Function call: `dataMaid::makeDataReport(data = df_m_clean, mode = c("summarize", "visualize", "check"), smartNum = FALSE, file = "codebook_concerns.Rmd", replace = TRUE, checks = list(character = "showAllFactorLevels", factor = "showAllFactorLevels", labelled = "showAllFactorLevels", haven_labelled = "showAllFactorLevels", numeric = NULL, integer = NULL, logical = NULL, Date = NULL), listChecks = FALSE, maxProbVals = Inf, codebook = TRUE, reportTitle = "Conversations with a concern-addressing chatbot increase COVID-19 vaccination intentions among social media users in Kenya and Nigeria\n\n Leah Rosenzweig, Molly Offer-Westort;\n\n Codebook for clean_learning_concerns`