

ParentText Code Book

Variable List

Table 1: List of Variables in Demographic Survey

Variable List	Unit	Content
demographics_date	Date	Demographic Survey Date
Parent/Caregiver Demographics		
parent_gender	String	Parent/Caregiver Gender (man; woman; no)
parent_age	Numeric	Parent/Caregiver Age (18-99)
parent_relationship	String	Parent/Caregiver Relationship Status
parent_baby	0,1	Parent/Caregiver of a baby (X = Yes; X = No)
baby_age	Numeric	Baby age in month (0-23)
parent_child	0,1	Parent/Caregiver of a young child (X = Yes; X = No)
parent_teen	0,1	Parent/Caregiver of a teenager (X = Yes; X = No)
parent_child_relation	String	Relation to the child
child_disabilities	0,1	Parent/Caregiver to a child with Disabilities (X = No; X = Yes)
Child Demographics		
child_age_group	String	Child Age Group
child_age	Numeric	Child Age (0-17)
child_education	0,1	Child attending school/nursey? (X = No; X = Yes)
COVID-19		
covid_experience	String	Parent/Caregiver COVID-19 Experience
covid_impact	Discrete Number	Impact of COVID-19 on Household (1 = Someone in my family has had COVID-19 symptoms (e.g., dry cough, fatigue, headache, high temperature, loss of smell or taste); 2 = Someone in my family has died from COVID-19; 3 = My family has been experiencing financial stress due to COVID-19; 4 = My family has been experiencing emotional stress due to COVID-19; 5 = My family has not been negatively affected by COVID-19; 6 = Other; 0 = Prefer not to answer.)

Commented [PZ1]: Jamie, if it is a string options do you want me to add these in the data code book

Commented [PZ2]: ask qing, if she prefers string (categorical names, or 0,1)

Commented [PZ3]: ask qing, yes/no or 0,1

Commented [PZ4]: Ask chiara

*Parents/caregivers can skip any question by typing either "N" or "99"

Table 2: List of Variables Measuring the Effect of ParentText

t=timepoint, X will vary depending on which survey entry it is

X = 0 (baseline survey); 2 (survey 2, day 9); 3 (survey 3, day 23); 4 (survey 4, day 37); 5 (survey 5, day 51); 6 (survey 6, day 65); 7 (survey 7, day 79); 8 (survey 8, day 93); 9 (survey 9; day 107)

Variable	Unit	Content
survey_date_tX	Numeric	Baseline Survey Date
Child Behaviour Survey		
cb_survey_consent_tX	1,0	Consent to child behaviour survey (X = Yes; X = No)
challenge_behav_baby_tX	Discrete Number	Child behaviour that is challenging (baby) (1 = Crying a lot; 2. Problems sleeping; 3 = Acting clingy; 4 = Whining for things; 5 = Bad tempered or moody; 6 = Problems eating; 7 = Stubborn or fussy; 8 = Naughty behaviour; 9 = Temper tantrums)
challenge_behav_child_tX	Discrete Number	Child behaviour that is challenge (child) (1 = Refuse to obey instructions; 2. Gets angry a lot; 3 = Rudeness, disrespectful behaviour; 4 = Irritable, frequent mood changes; 5 = Does not follow rules; 6 = Stubbornness; 7 = Breaking things; 8 = Getting into fights; 9 = Teasing or bothering others)
challenge_behav_teen_tX	Discrete Number	Child behaviour that is challenging (teen) (1 = Refuse to obey instructions; 2 = Temper tantrums; 3 = Disrespectful behaviour; 4 = Whining for things; 5 = Hyperactivity, can't sit still; 6 = Hitting other; 7 = Breaking things; 8 = Getting into fights; 9 = Teasing or bothering others)
how_challenge_t0	Likert	How challenging is this problem? (0 = not a problem, 7 = terrible)
How_challenge_t(1-9)	Likert	How would you rate this problem now on a scale of 0 to 7? (0 = not a problem, 7 = terrible)
Parenting Behaviour Survey		
parenting_survey_consent_tX	1,0	Consent to parenting behaviour survey (X = Yes; X = No)
parenting_fun_tX	Numeric	How many days in the past week did you do something together? (0,1,2,3,4,5,6,7)
parenting_praise_tX	Numeric	How many days in the past week have you praised your child? (0,1,2,3,4,5,6,7)
parenting_stress_tX	Numeric	How many days in the past week did you feel very stress as a parent/caregiver? (0,1,2,3,4,5,6,7)
parenting_emotion_tX	Numeric	How many days in the past week did you shout, scream, or yell at your children? (0,1,2,3,4,5,6,7)

parenting_physical_tX	Numeric	How many days in the past week did you physically discipline your children by hitting, spanking, or slapping with your hand or an object like a stick or a belt? (0, 1, 2, 3, 4, 5, 6, 7)
maltreatment_tX	Numeric	Combined mean index of parenting_emotion and parenting_physical items.
parenting_financialstress_1_tX	Numeric	How many days in the past week have you felt very worried or anxious about money? (0, 1, 2, 3, 4, 5, 6, 7)
parenting_financialstress_2_tX	Numeric	How many days in the past month (30 days) did you run out of money to pay for food? (0, 1, 2, 3, ... 30)
parenting_efficacy_tX	Likert	How confident do you feel about your ability as a parent/caregiver to have a positive relationship with your children? (0 = not confident, 7 = extremely confident)
Parenting_conf_sexualviolence_1_tX	0,1	In the past month, have you talked with your child about keeping safe from sexual violence online or offline? (X = Yes; X = No)
Parenting_conf_sexualviolence_2_tX	Likert	How confident do you feel you are to protect your child from sexual abuse online or in-person? (0 = not confident, 7 = extremely confident)
Partner Relationship Survey		

Commented [PZ5]: ask qing

Commented [PZ6]: @Moa Schafer Hi moa! This is the data code book for ParentText. If you can could you please add all of the questions of the IPV survey **IN** RapidPro here. the **variable** is what you want to call this variable for data analysis.

Table 3: List of Variables Measuring the effect of ParentText on Intimate Partner Relationships

Variable	Unit	Content

Commented [PZ7]: @Moa Schafer Hi Moa, could you please add all of the questions for IPV asked on ODK here. Please create an row for each timepoint its asked.

Table 4: List of Variables Measuring the Acceptability of ParentText

w=week, X will vary depending on which week it is

X = 1 to 16

Variable	Unit	Content
Helpfulness of Tips		
helpful_overall	Likert	Combined mean index of the helpfulness of tips (1 = Not helpful; 4 = extremely helpful)
helpful_community_safety	Likert	Was this (community safety flow) advice helpful?

		(1 = Not helpful; 4 = extremely helpful)
helpful_consequences	Likert	Was this (consequences flow) advice helpful? (1 = Not helpful; 4 = extremely helpful)
helpful_crisis	Likert	Was this (crisis flow) advice helpful? (1 = Not helpful; 4 = extremely helpful)
helpful_crying	Likert	Was this (crying flow) advice helpful? (1 = Not helpful; 4 = extremely helpful)
helpful_emotion	Likert	Was this (emotion flow) advice helpful? (1 = Not helpful; 4 = extremely helpful)
helpful_ignore	Likert	Was this (ignore flow) advice helpful? (1 = Not helpful; 4 = extremely helpful)
helpful_praise	Likert	Was this (praise flow) advice helpful? (1 = Not helpful; 4 = extremely helpful)
helpful_problem_solving	Likert	Was this (problem solving flow) advice helpful? (1 = Not helpful; 4 = extremely helpful)
helpful_redirect	Likert	Was this (redirect flow) advice helpful? (1 = Not helpful; 4 = extremely helpful)
helpful_routines	Likert	Was this (routines flow) advice helpful? (1 = Not helpful; 4 = extremely helpful)
helpful_book_sharing	Likert	Was this (book sharing flow) advice helpful? (1 = Not helpful; 4 = extremely helpful)
helpful_budget_adult	Likert	Was this (budget adult flow) advice helpful? (1 = Not helpful; 4 = extremely helpful)
helpful_budget_child	Likert	Was this (budget child flow) advice helpful? (1 = Not helpful; 4 = extremely helpful)
helpful_education	Likert	Was this (education flow) advice helpful? (1 = Not helpful; 4 = extremely helpful)
helpful_family	Likert	Was this (family flow) advice helpful? (1 = Not helpful; 4 = extremely helpful)
helpful_positive_intro	Likert	Was this (positive intro flow) advice helpful? (1 = Not helpful; 4 = extremely helpful)
helpful_online_adult	Likert	Was this (online adult flow) advice helpful? (1 = Not helpful; 4 = extremely helpful)
helpful_online_child	Likert	Was this (online child flow) advice helpful? (1 = Not helpful; 4 = extremely helpful)
helpful_instruction	Likert	Was this (instruction flow) advice helpful? (1 = Not helpful; 4 = extremely helpful)
helpful_rules	Likert	Was this (rules flow) advice helpful? (1 = Not helpful; 4 = extremely helpful)
helpful_touch	Likert	Was this (safe and unsafe touch flow) advice helpful? (1 = Not helpful; 4 = extremely helpful)
helpful_anger_management	Likert	Was this (anger management flow) advice helpful? (1 = Not helpful; 4 = extremely helpful)

helpful_pause	Likert	Was this (take a pause flow) advice helpful? (1 = Not helpful; 4 = extremely helpful)
helpful_one_time_baby	Likert	Was this (one on one time baby flow) advice helpful? (1 = Not helpful; 4 = extremely helpful)
helpful_one_time_child	Likert	Was this (one on one time child flow) advice helpful? (1 = Not helpful; 4 = extremely helpful)
helpful_one_time_teen	Likert	Was this (one on one time teen flow) advice helpful? (1 = Not helpful; 4 = extremely helpful)
helpful_covid	Likert	Was this (covid flow) advice helpful? (1 = Not helpful; 4 = extremely helpful)
helpful_ipv	Likert	Was this (ipv flow) advice helpful? (1 = Not helpful; 4 = extremely helpful)
Helpfulness of Tips in Improving Parent-Child Relations		
helpful_relationship_overall	Likert	Combined mean index of the helpfulness of messages in improving relationship with their child. (1 = Not helpful; 4 = extremely helpful)
helpful_relationship_wX	Likert	How helpful have these messages been in improving your relationship with your child? (1 = Not helpful; 4 = extremely helpful)
Useful Category of Parenting Tips		
useful_tip_wX	String	Which parenting tip has been the most useful to you?

Commented [PZ8]: ask qing if taking the mean is suitable.

Table 5: List of Variables Measuring Engagement with ParentText

t=timepoint, X will vary depending on which survey entry it is

X = 0 (baseline survey); 2 (survey 2, day 9); 3 (survey 3, day 23); 4 (survey 4, day 37); 5 (survey 5, day 51); 6 (survey 6, day 65); 7 (survey 7, day 79); 8 (survey 8, day 93); 9 (survey 9, day 107)

Y= the number of message sent

Variable	Unit	Content
Engagement with the Chatbot		
response_message_overall	Numerical/Percentage	Overall response to all ParentText messages
response_message_calm	Numerical/Percentage	Response to all calm messages (response, timeout)
response_message_check_in	Numerical/Percentage	Response to all check in messages
response_message_supportive	Numerical/Percentage	Response to all supportive messages
response_message_praise	Numerical/Percentage	Response to all praise messages
overall_exp_message_calm	X	Mean response category to calm messages

		(great,okay,bad,timeout)
exp_message_calm_Y	String	Response category to calm message (great,okay,bad,timeout)
overall_exp_message_praise	X	Mean response category to praise message (great, okay, bad,timeout)
exp_message_praise_Y	String	Response category to praise message (great, okay, bad,timeout)
Engagement with the Programme		
no_messages_skill_overall	Numerical	The mean number of messages the participants sent to the chatbot within a parenting skill
no_messages_one_time_baby	Numerical	Number of messages the participant sent during the one-on-one time flow (baby)
no_messages_one_time_child	Numerical	Number of messages the participant sent during the one-on-one time flow (child)
no_messages_one_time_teen	Numerical	Number of messages the participant sent during the one-on-one time flow (teen)
no_messages_anger_management	Numerical	Number of messages the participant sent during the anger management flow
no_messages_instructions	Numerical	Number of messages the participant sent during the instructions flow
no_messages_praise	Numerical	Number of messages the participant sent during the praise flow
no_messages_routines	Numerical	Number of messages the participant sent during the routines flow
no_messages_rules	Numerical	Number of messages the participant sent during the rules flow
no_messages_redirect	Numerical	Number of messages the participant sent during the redirect flow
no_messages_consequences	Numerical	Number of messages the participant sent during the consequences flow
no_messages_book_sharing	Numerical	Number of messages the participant sent during the book sharing flow
no_messages_ignore	Numerical	Number of messages the participant sent during the ignore flow
no_messages_problem_solving	Numerical	Number of messages the participant sent during the problem-solving flow
no_messages_online_child	Numerical	Number of messages the participant sent during the online safety (child) flow

no_messages_online_adult	Numerical	Number of messages the participant sent during the online safety (adult) flow
no_messages_crying	Numerical	Number of messages the participant sent during the crying flow
no_messages_emotion	Numerical	Number of messages the participant sent during the emotion flow
no_messages_crisis	Numerical	Number of messages the participant sent during the crisis flow
no_messages_touch	Numerical	Number of messages the participant sent during the safe and unsafe touch flow
no_messages_family	Numerical	Number of messages the participant sent during the family flow
no_messages_ipv	Numerical	Number of messages the participant sent during the ipv flow
no_messages_budget_child	Numerical	Number of messages the participant sent during the budget (child) flow
no_messages_budget_adult	Numerical	Number of messages the participant sent during the budget (adult) flow
no_messages_education	Numerical	Number of messages the participant sent during the education flow
no_messages_exercise	Numerical	Number of messages the participant sent during the exercise flow
no_messages_pos_intro	Numerical	Number of messages the participant sent during the positive introduction flow
no_messages_keeping_calm	Numerical	Number of messages the participant sent during the keeping calm flow
no_messages_community_safety	Numerical	Number of messages the participant sent during the community safety flow
no_messages_covid	Numerical	Number of messages the participant sent during the covid 19 flow
no_messages_disability	Numerical	Number of messages the participant sent during the disability flow
no_messages_development	Numerical	Number of messages the participant sent during the development flow
Completion of Programme		
comp_prog_overall	Numerical/Percentage	Number of skills completed overall
comp_prog_one_time_baby	0,1	Participants completed the one-on-one time (baby) skill (X = Yes, X = No)
comp_prog_one_time_child	0,1	Participants completed the one-on-one time (child) skill (X = Yes, X = No)
comp_prog_one_time_teen	0,1	Participants completed the one-on-one time (teen) skill

Commented [PZ9]: Not finished yet! Missing perhaps survey

		(X = Yes, X = No)
comp_prog_anger_management	0,1	Participants completed the anger management skill (X = Yes, X = No)
comp_prog_instructions	0,1	Participants completed the positive instructions skill (X = Yes, X = No)
comp_prog_praise	0,1	Participants completed the praise skill (X = Yes, X = No)
comp_prog_routines	0,1	Participants completed the routines skill (X = Yes, X = No)
comp_prog_rules	0,1	Participants completed the rules skill (X = Yes, X = No)
comp_prog_redirect	0,1	Participants completed the redirect skill (X = Yes, X = No)
comp_prog_consequences	0,1	Participants completed the consequences skill (X = Yes, X = No)
comp_prog_book_sharing	0,1	Participants completed the book sharing skill (X = Yes, X = No)
comp_prog_ignore	0,1	Participants completed the ignore skill (X = Yes, X = No)
comp_prog_problem_solving	0,1	Participants completed the problem solving skill (X = Yes, X = No)
comp_prog_online_child	0,1	Participants completed the online safety (child) skill (X = Yes, X = No)
comp_prog_online_adult	0,1	Participants completed the online safety (adult) skill (X = Yes, X = No)
comp_prog_crying	0,1	Participants completed the crying skill (X = Yes, X = No)
comp_prog_emotion	0,1	Participants completed the emotions skill (X = Yes, X = No)
comp_prog_crisis	0,1	Participants completed the crisis skill (X = Yes, X = No)
comp_prog_touch	0,1	Participants completed the safe and unsafe touch skill (X = Yes, X = No)
comp_prog_family	0,1	Participants completed the family skill (X = Yes, X = No)
comp_prog_ipv	0,1	Participants completed the IPV skill

		(X = Yes, X = No)
comp_prog_budget_child	0,1	Participants completed the budget (child) skill (X = Yes, X = No)
comp_prog_adult	0,1	Participants completed the budget (adult) skill (X = Yes, X = No)
comp_prog_education	0,1	Participants completed the education skill (X = Yes, X = No)
comp_prog_exercise	0,1	Participants completed the exercise skill (X = Yes, X = No)
comp_prog_pos_intro	0,1	Participants completed the positive introduction skill (X = Yes, X = No)
comp_prog_keeping_calm	0,1	Participants completed the keeping calm skill (X = Yes, X = No)
comp_prog_community_safety	0,1	Participants completed the community safety skill (X = Yes, X = No)
comp_prog_covid	0,1	Participants completed the covid skill (X = Yes, X = No)
comp_prog_disability	0,1	Participants completed the disability skill (X = Yes, X = No)
comp_prog_development	0,1	Participants completed the development skill (X = Yes, X = No)
Engagement with the Skills (check in's)		
comp_skill_overall	Numerical/Percentage	Overall completion rate of skills
comp_skill_community_safety	0,1	Completion of the community safety check in (X = Yes, X = No)
comp_skill_consequences		Completion of the consequences check in (X = Yes, X = No)
comp_skill_crisis		Completion of the crisis check in (X = Yes, X = No)
comp_skill_crying		Completion of the crying check in (X = Yes, X = No)
comp_skill_emotion		Completion of the emotion check in (X = Yes, X = No)
comp_skill_ignore		Completion of the ignore check in (X = Yes, X = No)
comp_skill_praise		Completion of the praise check in

		(X = Yes, X = No)
comp_skill_problem_solving		Completion of the problem solving check in (X = Yes, X = No)
comp_skill_redirect		Completion of the redirect check in (X = Yes, X = No)
comp_skill_routines		Completion of the routines check in (X = Yes, X = No)
comp_skill_book_sharing		Completion of the book sharing check in (X = Yes, X = No)
comp_skill_budget_adult		Completion of the budget (adult) check in (X = Yes, X = No)
comp_skill_budget_child		Completion of the budget (child) check in (X = Yes, X = No)
comp_skill_education		Completion of the education check in (X = Yes, X = No)
comp_skill_family		Completion of the family check in (X = Yes, X = No)
comp_skill_positive_intro		Completion of the positive introduction check in (X = Yes, X = No)
comp_skill_online_child		Completion of the online safety (child) check in (X = Yes, X = No)
comp_skill_online_adult		Completion of the online safety (adult) check in (X = Yes, X = No)
comp_skill_instruction		Completion of the instruction check in (X = Yes, X = No)
comp_skill_rules		Completion of the rules check in (X = Yes, X = No)
comp_skill_touch		Completion of the safe and unsafe touch check in (X = Yes, X = No)
comp_skill_anger_management		Completion of the anger management check in (X = Yes, X = No)
comp_skill_pause		Completion of the taking a pause check in (X = Yes, X = No)
comp_skill_one_time_baby		Completion of the one-on-one time (baby) check in (X = Yes, X = No)

comp_skill_one_time_child		Completion of the one-on-one time (child) check in (X = Yes, X = No)
comp_skill_one_time_teen		Completion of the one-on-one time (teen) check in (X = Yes, X = No)
comp_skill_covid		Completion of the covid check in (X = Yes, X = No)
comp_skill_ipv_1		Completion of the IPV X check in (X = Yes, X = No)
comp_skill_ipv_2		Completion of the IPV X check in (X = Yes, X = No)
comp_skill_ipv_3		Completion of the IPV X check in (X = Yes, X = No)
comp_skill_ipv_4		Completion of the IPV X check in (X = Yes, X = No)
comp_skill_ipv_5		Completion of the IPV X check in (X = Yes, X = No)
exp_skill_overall	string	
exp_skill_community_safety		
exp_skill_consequences		
exp_skill_crisis		
exp_skill_crying		
exp_skill_emotion		
exp_skill_ignore		
exp_skill_praise		
exp_skill_problem_solving		
exp_skill_redirect		
exp_skill_routines		
exp_skill_book_sharing		
exp_skill_budget_adult		
exp_skill_budget_child		
exp_skill_education		
exp_skill_family		
exp_skill_positive_intro		
exp_skill_online_child		
exp_skill_online_adult		
exp_skill_instruction		
exp_skill_rules		
exp_skill_touch		
exp_skill_anger_management		
exp_skill_pause		
exp_skill_one_time_baby		
exp_skill_one_time_child		
exp_skill_one_time_teen		
exp_skill_covid		

Commented [PZ10]: @Moa Schafer please add the titles to the IPV check ins that you want to correspond to the numebrs

exp_skill_ipv_1		
exp_skill_ipv_2		
exp_skill_ipv_3		
exp_skill_ipv_4		
exp_skill_5		