

Engagement study questionnaires

Note: this document includes more than one questionnaire:

1. The "Engagement" or "SE" questionnaire, delivered to "engaged" twin pairs in which both twins had participated in the previous web study.
2. The "Disengagement" or "SD" questionnaire, delivered to "disengaged" pairs in which one twin but not the other had participated in the previous web study. This questionnaire was presented in two versions:
 - a. Version 1: delivered to the "disengaged" twin in each pair
 - b. Version 2: delivered to the "engaged" twin in each pair

The two versions of the SD questionnaire have essentially the same questions but with differences in wording; hence, they have been combined into a single dataset with the same set of variables, but with a flag variable to indicate which of the twins was "engaged".

The annotations in this red font give variable names and value coding. All variables (both datasets) are double entered in the usual way, with "1" or "2" appended to the variable name for twin and cotwin respectively.

Engagement questionnaire

This is the "SE" questionnaire, for engaged twin pairs.

Each variable name is prefixed with "se", and is double-entered in the usual way with suffix "1" or "2" indicating twin and cotwin.

Background variables added to the dataset:

Variable name	Meaning	Values
sedata	Flag variable: are data present	1=yes, 0=no
seage	Age of twin when qnr completed	Years (decimal)

General internet use

1. How often do you use social media?

		Never	Rarely	Sometimes	Often	All the time
		0	1	2	3	4
Twitter	sesocTwitter					
Facebook	sesocFacebook					
Instagram	sesocInstagram					
Tumblr	sesocTumblr					
WordPress	sesocWordPress					
YouTube	sesocYouTube					
SnapChat	sesocSnapChat					
WhatsApp	sesocWhatsApp					

Other:	Text data have not been retained
--------	----------------------------------

2. How often do you use the following devices to access the internet?

		Never	Rarely	Sometimes	Often	All the time
		0	1	2	3	4
Desktop computer	sedevdesktop					
Laptop or netbook	sedevlaptop					
Tablet computer	sedevtablet					
Smartphone	sedevsmartphone					
iPod or other music player	sedeviPodmusic					

Other:	Text data have not been retained
--------	---

TEDS involvement

3. How often do you:

In the questions below, there were negligible or no responses for "frequently", so this response is not coded (in rare cases where it occurred, it is recoded as "regularly").

		I never have	Very rarely	Occasionally	Regularly	Frequently
		0	1	2	3	
Read the TEDS newsletter	setedsnewsletter					
Visit the TEDS website	setedswebsite					
Read Tweets from TEDS	setedsreadTweets					
Reply to or retweet TEDS Tweets	setedsretweet					
Read about TEDS in the news (online, newspaper, etc.)	setedsnews					
Read TEDS research publications (books or papers by TEDS researchers)	setedsresearch					

Engagement

4. The following statements are about how you feel about TEDS research studies, and being part of the TEDS community generally. For each one, please indicate whether you agree, disagree, or have no strong feelings either way.

		Agree	Neutral	Disagree
		2	1	0
I take part in TEDS research because it's important to contribute to science	seengscience			
I take part in TEDS studies because they are fun / interesting	seengfun			
I take part in TEDS studies to learn something about myself	seenglearn			
I take part in TEDS studies because I want to study / work in a related area (psychology, behavioural genetics)	seengwork			
I take part in TEDS studies for the rewards (vouchers, prize draws etc.)	seengrewards			
I take part in TEDS studies because my parents, twin, or other family / friends encourage me to do it	seengencouraged			
I enjoy feeling part of a community of twins through TEDS	seengcommunityTEDS			
I enjoy participating in the scientific/academic community through TEDS	seengcommunitySci			
I like getting 'snail-mail' from TEDS through the post	seengmail			
I like getting birthday cards from TEDS	seengbirthday			
I like visiting the TEDS website or Twitter feed	seengmedia			
I like having the opportunity to visit TEDS for work placements and/or to meet researchers	seengworkExperience			

5. The following statements are about things you might like to see in the TEDS newsletter, Twitter, or on the website. For each one, please indicate whether you would like this, dislike it, or have no strong feelings either way.

		Like this	Neutral	Dislike this
		2	1	0
Information about published scientific studies from TEDS or elsewhere	secontentscience			
Information about TEDS staff	secontentstaff			
Opportunities for twins to contribute more (info, news, photos, discussion)	secontentcontrib			
Opportunities to get together with / friend other twins online	secontentsocial			
Career advice	secontentcareer			
Science news from TEDS and elsewhere in a non-technical (e.g., magazine) style	secontentscienceNews			
Information or news about twins in general, or case studies of twins	secontenttwinNews			
News about celebrity twins and other celebrity science-related news	secontentcelebNews			
Fun, informal quizzes with shareable results (e.g. like Buzzfeed)	secontentquizzes			
Discussion forums to talk about TEDS studies and life generally with other twins	secontentdiscuss			
Opportunities for other family members or friends to take part in the TEDS studies and community	secontentexpand			

6. What types of TEDS studies do you / would you find most interesting and enjoyable? For each option, please indicate whether you like, dislike (or think you would like or dislike) or have no strong feelings about taking part in that type of study.

		Like this	Neutral	Dislike this
		2	1	0
Ones with questions about your mood / feelings	sestudymood			
Ones with questions about your personality	sestudypersonality			
Ones with questions about your education or other life experiences	sestudybackground			
Ones with questions about your opinions and attitudes	sestudyattitudes			
Ones with personal questions, e.g. about drugs or sexuality	sestudypersonal			
Ones which test your memory	sestudymemory			
Ones which test your ability to think / respond quickly	sestudycognitive			
Ones which include mainly photographs, shapes or other visuals to respond to	sestudyvisual			
Ones which include mainly text / reading	sestudyread			
Ones which test your emotional perception and social abilities	sestudysocial			
Ones with questions about your health or happiness	sestudyhealth			
Ones which give feedback or information at the end about your results	sestudyfbSelf			
Ones which give feedback about how you did compared to other people	sestudyfbOther			
Ones you can do entirely online	sestudyonline			
Ones you do over the phone	sestudyphone			
Ones you do on paper (through the post)	sestudypost			
Ones you do in person	sestudyinPerson			

7. Rewards

Please indicate how willing you would be to complete different types of TEDS activities for different levels of rewards:

Activity		I would do this without any reward	I would do this for a £5 reward	I would do this for a £10 reward	I would do this for a £10 reward and entry into a prize draw	I might do this for a reward of more than £10	I would not do this at all
Complete a short 2-page paper questionnaire	sereward2PagePaper	5	4	3	2	1	0
Complete a longer 10-page paper questionnaire	sereward10PagePaper	5	4	3	2	1	0
Complete web activities lasting 15 minutes	sereward15mWeb	5	4	3	2	1	0
Complete web activities lasting 30 minutes	sereward30mWeb	5	4	3	2	1	0
Complete web activities lasting one to two hours	sereward1h2hWeb	5	4	3	2	1	0
Participate in a longer web study involving repeated short activities over a period of several weeks	serewardrepeatWeb	5	4	3	2	1	0

8. Contacting you

Please indicate how likely you would be to respond if we asked you to participate in a new study by the following means:

Means of contact		Very likely to respond	Would probably respond	Not sure	Would possibly respond	Very unlikely to respond
		4	3	2	1	0
Letter posted directly to you	secontactletterYou					
Letter addressed jointly to you and your twin	secontactletterBoth					
Letter addressed to you via your parent(s)	secontactletterParents					
Email sent to you	secontactemail					
Phone call directly to your mobile	secontactphoneMob					
Phone call to your home/family land line	secontactphoneLine					
General invitation issued to all twins via Twitter, Facebook, etc	secontactweb					

END OF ENGAGEMENT (SE) VERSION OF QUESTIONNAIRE

The Disengagement (SD) version starts on the next page.

Disengagement questionnaire

This questionnaire was designed to be administered to twin pairs in which one twin was "disengaged" while the other was "engaged" in TEDS, according to whether or not they had participated in the previous web study (Perception). The questionnaire was presented in two forms, containing very similar questions but with different wording. Both forms are shown below.

"Disengaged" twins were asked to complete version 1, answering about themselves.

"Engaged" cotwins were asked to complete version 2, answering on behalf of their disengaged twin.

The same set of variables was used for the two versions. Flag variables (see below) indicate whether each twin was "engaged" or "disengaged", hence also indicating which version of the questionnaire they answered.

In practice, where both twins of a pair took part, a technical error led to both twins being presented with the same version of the questionnaire. Twins who took the wrong version have been eliminated from the dataset. This means that the dataset includes data only for unpaired twins.

Each variable name is prefixed with "sd", and is double-entered in the usual way with suffix "1" or "2" indicating twin and cotwin.

Background variables added to the dataset:

Variable name	Meaning	Values
sddata	Flag variable: are data present	1=yes, 0=no
sdage	Age of twin when qnr completed	Years (decimal)
sdactivetwin	Was this the "engaged" or "active" twin of the pair?	1=yes, 0=no

Note that the last two sections of questions in the SD questionnaire are essentially the same as the last two sections of questions in the SE questionnaire above.

First section: responses to the Perception study.

Version 1 introductory text:

1. The following questions relate to the Perception study (the web-based study in which you were asked to view and memorise faces and cars). When you chose not to take part in the Perception study, was this because:? **(Tick all that apply)**

Version 2 introductory text:

1. The following questions relate to the Perception study (the web-based study in which you were asked to view and memorise faces and cars). When your twin chose not to take part in the Perception web study, do you think this was because:? **(Tick all that apply)**

All items are coded 1=yes (ticked), 0=no (not ticked):

Dataset variable	Version 1 wording	Version 2 wording
sdpercoring	I got the impression that the activities were too boring or too complicated	He/she got the impression that the activities were too boring or too complicated
sdperclength	The expected duration of 30 minutes was too long	The expected duration of 30 minutes was too long
sdpercreward	The £10 reward was not enough for the 30 minutes I would have had to spend	The £10 reward was not enough for the 30 minutes he/she would have had to spend
sdpercbusy	I was too busy, or not available, at the time when you asked me to do this	He/she was too busy, or not available, at the time when you asked us to do this
sdpercdisc	Parents / family / friends discouraged me from taking part	Parents / family / friends discouraged him/her from taking part
sdperclostforgot	I forgot to do it / lost the email or letter	He/she forgot to do it / lost the email or letter
sdpercinfo	I didn't receive enough information about the study	He/she didn't receive enough information about the study
sdpercfb	I didn't think I would get enough feedback about my results	He/she didn't think He/she would get enough feedback about his/her results
sdpercrel	The study wasn't relevant to me	The study wasn't relevant to him/her
(Text responses not retained in the data)	Other (please specify):	Other (please specify):

Second section: factors affecting participation

Version 1 introductory text:

2. What might make you more interested in taking part in TEDS research in the future? (**Tick all that apply**)

Version 2 introductory text:

2. What do you think might make your twin more interested in taking part in TEDS research in the future? (**Tick all that apply**)

All items are coded 1=yes (ticked), 0=no (not ticked):

Dataset variable	Version 1 wording	Version 2 wording
sdwantrel	More personally relevant studies	More personally relevant studies
sdwantreminders	More frequent reminders about studies	More frequent reminders about studies
sdwantcontact	More contact generally from TEDS (e.g., by newsletter, email, social media)	More contact generally from TEDS (e.g., by newsletter, email, social media)
sdwantfb	More feedback about my results	More feedback about his/her results
sdwantinfoFind	More information about the findings from TEDS studies	More information about the findings from TEDS studies
sdwantinfoSci	More information about how my involvement contributes to scientific research	More information about how his/her involvement contributes to scientific research
sdwantcomm	More opportunities to interact with the TEDS community / other twin families	More opportunities to interact with the TEDS community / other twin families
(Text responses not retained in the data)	Other (please specify):	Other (please specify):

Third section: activity type and reward levels as factors.

Note that these questions are repeated from the SE questionnaire above, with slight variations in wording.

Version 1 introductory text:

3. Please indicate how willing you would be to complete different types of TEDS activities for different levels of rewards:

Version 2 introductory text:

3. Please indicate how willing you think your twin would be to complete different types of TEDS activities for different levels of rewards:

Dataset variable	Item wording (same for both versions)
sdreward2PagePaper	Complete a short 2-page paper questionnaire
sdreward10PagePaper	Complete a longer 10-page paper questionnaire
sdreward15mWeb	Complete web activities lasting 15 minutes
sdreward30mWeb	Complete web activities lasting 30 minutes
sdreward1h2hWeb	Complete web activities lasting one to two hours
sdrewardrepeatWeb	Participate in a longer web study involving repeated short activities over a period of several weeks

Responses and value coding:

Version 1 response option	Version 2 response option	Dataset value code
I would do this without any reward	He/she would do this without any reward	5
I would do this for a £5 reward	He/she would do this for a £5 reward	4
I would do this for a £10 reward	He/she would do this for a £10 reward	3
I would do this for a £10 reward and entry into a prize draw	He/she would do this for a £10 reward and entry into a prize draw	2
I might do this for a reward of more than £10	He/she might do this for a reward of more than £10	1
I would not do this at all	He/she would not do this at all	0

Fourth section: contact methods as factors.

Note that these questions are repeated from the SE questionnaire above, with slight variations in wording.

Version 1 introductory text:

4. Contacting you

Please indicate how likely you would be to respond if we asked you to participate in a new study by the following means:

Version 2 introductory text:

4. Contacting your twin

Please indicate how likely your twin would be to respond if we asked him/her to participate in a new study by the following means:

Dataset variable	Version 1 item wording	Version 2 item wording
sdcontactletterYou	Letter posted directly to you	Letter posted directly to him/her
sdcontactletterBoth	Letter addressed jointly to you and your twin	Letter addressed jointly to you and your twin
sdcontactletterParents	Letter addressed to you via your parent(s)	Letter addressed to him/her via your parent(s)
sdcontactemail	Email sent to you	Email sent to him/her
sdcontactphoneMob	Phone call directly to your mobile	Phone call directly to his/her mobile
sdcontactphoneLine	Phone call to your home/family land line	Phone call to their home/family land line
sdcontactweb	General invitation issued to all twins via Twitter, Facebook, etc	General invitation issued to all twins via Twitter, Facebook, etc

Responses and value coding:

Response option (same for both versions)	Dataset value code
Very likely to respond	4
Would probably respond	3
Not sure	2
Would possibly respond	1
Very unlikely to respond	0

END OF SD QUESTIONNAIRE