Modified for DSI by Simon Knight, where the original text is changed I've used red font



See guidance at https://theodi.org/wp-content/uploads/2019/07/ODI-Data-Ethics-Canvas-2019-05.pdf
See original canvas at: https://docs.google.com/document/d/10XSrA2KDMVkHroxs_8SUoQZ5Uv0eRhtNNtIl9g_Q47M/edit



Title	Description	Screen Time	Mood	Sleep	Average Aussie Screen Time
1. Data sources	Name and describe key data sources used in your project, whether you're collecting them yourself or getting access from third parties.	This data was recorded on smartphone system/applications based on IOS/Android of each team member. The data were then being manually updated on a shared Google Spreadsheet for	This data was collected manually by 6 of our team members and were then being manually updated on a shared Google Spreadsheet for team access.	This data was track individually via an third-party IOS application called Pillow. App usage: https://pillow.app/	This data was extract from a media released from REVIEW.org in which the study conducted on over 1,000 people in Australia to learn more about their screen time patterns. https://www.reviews
		team access.			.org/au/mobile/aussi e-screentime-in-a- lifetime/
2. Limitations in your data sources	Are there any limitations that might influence the outcomes of your project? Consider: bias in data collection, inclusion, algorithm gaps, omissions other sensitivities such as data categorisation 	Many background apps were observed with a high value of screen time in seconds, therefore that was adjusted. Because of their unusually high value, these numbers are considered outliers.	mood four times a day, at waking, lunch, dinner, and	missing date records owing to technological issues such as phone crashes or automated IOS	Sampling issues: Relatively little may be known about the characteristics of people in online communities, aside from some basic demographic variables, and even this information may be questionable. Reliability:





				<u>tml</u>	personal use.
		requirements.	requirements.		commercial
		project's	project's	m/legal/internet-	your non-
		scenario outside the	scenario outside the	Interest www.applo.co	Site Material for
		parties in any	parties in any	use:	single copy of the
		be shared with third	be shared with third	IOS system terms of	and download a
		records were not to	records were not to	subject to T&C.	I am able to view
	Under what conditions?	Team conditions:	Team conditions:	App conditions:	Copyright:
		the data.	the data.		
			tracking apps stored		
		Access to raw data:		the data.	
				tracking apps stored	
		folder.	folder.	Access to raw data:	
		access to the shred	access to the shred		
organisations	people, analysis tools you use, etc.)	student who have	student who have	sharing.	
with other	data? (e.g. collection/storage apps, MDSI	datasets: MDSI	datasets: MDSI	datasets: not	
3. Sharing data	Which people/organisations can see your	Access to the	Access to the	Access to the	N/A
				performing analysis.	
				software while	
				and log in the R	
				difficult to interpret	this study is.
				the column names is	how much reliability
			different scale.	format of some of	not so clear about
			each person has a	Pillow app, the	their website, it is
			subjective, therefore	generated by the	media released on
			variable's value is	because the CSV is	published under
			noted that the mood	Furthermore,	company and was
			should also be	unexpected.	conducted by a
			data records. It	which was	Since this study was





		App conditions: subject to T&C. Apple IOS Privacy Policy: https://www.apple.co m/legal/privacy/en- ww/			
4. Relevant legislation and policies	What legislation or policies shape your use of this data? Consider data protection legislation, IP and database rights legislation, anti-discrimination laws, sector-specific data sharing policies/regulation (eg health, employment, taxation), sector-specific ethics legislation	TBU	TBU	TBU	TBU
5. Rights over data sources	Where did you get the data from? Is it data produced by an organisation or data collected directly from individuals?	Individual and group collect	Individual and group collect	Individually and via smartphone tracking application	Through an online study on the website
	Do you have permission or another basis on which you're allowed to use this data? What ongoing rights will the data source have? Have you agreed how the data will be used/destroyed within the group?	At the beginning of the project, the group has agreed on consenting the use of other data in this study is acceptable. For the raw dataset, we have the full	At the beginning of the project, the group has agreed on consenting the use of other data in this study is acceptable. For the raw dataset, we have the full	Since this data was collected on my phone, I have the full right to use it. This also be addressed in the Terms & Use of the tracking app: https://pillow.app/pillow-privacy-policy-	This was published on a public website





		rights to use the dataset for the purpose of analyse, study about the life habits of our group and to include the dataset in our report if necessary.	rights to use the dataset for the purpose of analyse, study about the life habits of our group to include the dataset in our report if necessary.	<u>en</u>	
6. Existing ethical frameworks	Countries, sectors and communities have existing ethical codes and frameworks. Which ones are relevant to this project?	http://www.gsu.uts.e	Website T&C: https://www.reviews .org/about- us/terms-of-use/		
		GDPR Principles: https://ico.org.uk/forprotection/guide-to-t	uk/2015/12/08/data- -organisations/guide-the-general-data-prot lness-fairness-and-tr	to-data- ection-regulation-	
7. Your reason for using this data	What is your primary purpose for using data in this project?	To study the behaviour of using smart phone, particularly screen time usage and different app categories. We also want to compare and learn about relationship of	To study the relationship of mood with other factors such as sleep patterns and smartphone usage.	To study about the individual sleep patterns and the relationship sleep quality with other activities.	To use the data as the large cohort data and making comparison to the findings in our group dataset.





	What are you attempting to do?	smart phone usage behaviour with other group and individual data within this study. Above		Above	Above	
	How could this data be used to gain insight that could lead to innovation (new apps, research insight, insight into your personal selves, etc.)?	Self-awareness of unhealthy sleep patterns to be corrected.	Self-awareness of unhealthy sleep patterns to be corrected.	Self-awareness of unhealthy sleep patterns to be corrected.	Self-awareness of unhealthy sleep patterns to be corrected.	
	Are there existing projects or services that attempt to gain this kind of insight? Do they have any ethical issues?	Several academic studies have been conducted to study about human habit patte and the relationship of different activities factors that can likely have an impact on mental & physical health.				
	Are you making things better? How? For whom?	In terms of personal insight gaining from I correct the negative	N/A			
8. Communicating your purpose	Do people, especially those the data is about or who are impacted by its use, understand your purpose?	Yes. Explicit permiss analysis pointing to a	ion was given by data iliases	a subjects, including	No. As numbers are summarised by city, no identification of individuals is possible. This is, no personal information is comprised.	





9. Positive effects on people	Beyond you as a group, which individuals, demographics or organisations could be positively affected by this project?	TBC	TBC	TBC	TBC	
	How will they be positively affected?	TBC	ТВС	ТВС	TBC	
	How could you increase the positive impact of this project?	TBC	TBC	TBC	TBC	
	How are you measuring positive impact?	TBC	TBC	TBC	ТВС	
10. Negative effects on people	Who could be negatively affected by this project?	TBC				
	Could the manner in which this data is collected, shared or used: - cause harm? - be used to target, profile or prejudice people? - unfairly restrict access (eg exclusive arrangements)? Could people perceive it to be harmful?	TBC				
11. Minimising negative impact	What steps can you take to minimise harm?	Follow Australian Privacy Principles: https://www.oaic.gov.au/privacy/australian-privacy-principles/read-the-australian-privacy-principles E.g. Do not require access to raw data – i.e. diary text entries-				





		https://www.cyber.go	per Security Manual to ov.au/sites/default/file vernment%20Informa	•	Manual%20%	
1	Are there measures you could take to reduce limitations in your data sources?	тви	ТВU	TBU	ТВИ	
	Could you monitor potential negative impact to support mitigating activities?	ТВU	ТВU	TBU	TBU	
	What benefits will these actions add to your project?	TBU	TBU	TBU	TBU	
	How are you measuring negative impact?	TBU	TBU	TBU	TBU	
12. Engaging with people	How can people engage with you?	Through email duongthucanh.nguyen@student.uts.edu.au Or Slack group chat that was setup at the beginning of the study				
	Can people affected appeal or request changes to the service?	Yes, Group communication through Slack private group chat remains open. Direct communication is available via email: duongthucanh.nguyen@student.uts.edu.a u			N/A	
	To what extent?	TBU	TBU	TBU	TBU	
	Are the appeal mechanisms reasonable?	TBU	TBU	TBU	TBU	
13. Communicating risks and issues	Are you building into the project the thoughts, ideas and considerations of people affected by your project? How?	ТВU	ТВU	TBU	ТВU	





	Are you communicating potential risks or issues?	TBU	TBU	TBU	TBU
	How are limitations and risks being communicated to people? Consider: - those the data is about - those impacted by its use or affected by your project - organisations using data	TBU	TBU	TBU	TBU
	What methods are you using?	TBU	TBU	TBU	TBU
14. Reviews and iterations	How will ongoing issues related to data ethics be monitored and discussed?	TBU	TBU	TBU	TBU
'	When will your responses to the canvas be reviewed or updated?	TBU	TBU	TBU	TBU
15. Your actions	What actions are you going to take before moving forward with this project?	TBU	TBU	TBU	TBU
	Which of them should take priority?	TBU	TBU	TBU	TBU
	Who will be responsible for these actions and who needs to be involved in them?	TBU	TBU	TBU	TBU
	Will you publish your actions and answers to this canvas openly?	TBU	TBU	TBU	TBU