Plan Overview

A Data Management Plan created using DMPonline

Title: Using a Chatbot to Support Collaborative Goal-setting

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Project abstract:

Our research aims to investigate the effectiveness of combining chatbots with visualization techniques in facilitating collaborative goal setting in a creative writing task. The study will involve four experimental groups with seven subgroups of each and each subset of three participants who will be recruited through the TU delft campus (84 participants in total). Participants will be tasked with collaboratively writing a short story based on a given scenario while utilizing the chatbot and visualization tools within 2 hours. They will interact with the chatbot to discuss and set goals and use visualization techniques to aid their creative process. The study will assess the impact of the combined approach on the quality of collaborative goal setting and the overall outcome of the writing task. Participants' experiences, perceptions, and feedback will be collected through surveys or interviews. The findings will contribute to our understanding of the potential benefits and limitations of integrating chatbots and visualization techniques in collaborative settings.

Collecting data:

1. Creative writing results and the data during the writing progress
2. questionnaire result
3. chatbot interaction

ID: 123414

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Using a Chatbot to Support Collaborative Goal-setting

0. Administrative questions

1. Name of data management support staff consulted during the preparation of this plan.

Santosh Ilamparuthi

2. Date of consultation with support staff.

2023-07-15

I. Data description and collection or re-use of existing data

3. Provide a general description of the type of data you will be working with, including any re-used data:

Type of data	File format(s)	How will data be collected (for re-used data: source and terms of use)?	Purpose of processing	Storage location	Who will have access to the data
Creative Writing result	.pdf files	through experiment and export the creative writing result into pdf. no reuse data needed	to analyze the quality of creative writing results under different experiment settings.	Project storage drive	the project team
questionnaire result	.csv files	through experiment, no reuse data	to understand the collaboration performance under different setups.	Project storage drive	the project team
chatbot interaction data	.csv files	through experiment, no reuse data	to evaluate the performance of the chatbot	Project storage drive	the project team
informed consent	.pdf files	to valid the participants join the experiment	inform the participants about the experiment	Project storage drive	the project team

4. How much data storage will you require during the project lifetime?

- < 250 GB

II. Documentation and data quality

5. What documentation will accompany data?

- Methodology of data collection
- README file or other documentation explaining how data is organised

III. Storage and backup during research process

6. Where will the data (and code, if applicable) be stored and backed-up during the project lifetime?

- Project Storage at TU Delft
- Git(lab)/subversion repository at TU Delft

IV. Legal and ethical requirements, codes of conduct

7. Does your research involve human subjects or 3rd party datasets collected from human participants?

- Yes

8A. Will you work with personal data? (information about an identified or identifiable natural person)

If you are not sure which option to select, first ask your Faculty Data Steward for advice. You can also check with the privacy website . If you would like to contact the privacy team: privacy-tud@tudelft.nl, please bring your DMP.

- No

8B. Will you work with any other types of confidential or classified data or code as listed below? (tick all that apply)

If you are not sure which option to select, ask your Faculty Data Steward for advice.

- No, I will not work with any confidential or classified data/code

9. How will ownership of the data and intellectual property rights to the data be managed?

For projects involving commercially-sensitive research or research involving third parties, seek advice of your Faculty Contract Manager when answering this question. If this is not the case, you can use the example below.

The datasets underlying the published papers will be publicly released following the TU Delft Research Data Framework Policy. During the active phase of research, the project leader from TU Delft will oversee the access rights to data (and other outputs), as well as any requests for access from external parties. They will be released publicly no later than at the time of publication of corresponding research papers.

10. Which personal data will you process? Tick all that apply

- Signed consent forms

11. Please list the categories of data subjects

students with university-level educational background

12. Will you be sharing personal data with individuals/organisations outside of the EEA (European Economic Area)?

- No

13. To which countries will you be transferring personal data:

- Other (please indicate in the box below)

not applicable

14. Please contact the privacy team (privacy-tud@tudelft.nl) for advice on data transfer. Please also bring your draft DMP when contacting the privacy team.

Please record below their advice, the data transfer mechanism used and agreed security measures:

not applicable

15. What is the legal ground for personal data processing?

- Informed consent

You may find the informed consent form through the following google drive link
informed consent form by shikuan

16. Please describe the informed consent procedure you will follow:

You may find the informed consent form through the following google drive link from question 15

17. Where will you store the signed consent forms?

- Same storage solutions as explained in question 6

18. Does the processing of the personal data result in a high risk to the data subjects?

If the processing of the personal data results in a high risk to the data subjects, it is required to perform a Data Protection Impact Assessment (DPIA). In order to determine if there is a high risk for the data subjects, please check if any of the options below that are applicable to the processing of the personal data during your research (check all that apply).
If two or more of the options listed below apply, you will have to complete the DPIA. Please get in touch with the privacy team: privacy-tud@tudelft.nl to receive support with DPIA.
If only one of the options listed below applies, your project might need a DPIA. Please get in touch with the privacy team: privacy-tud@tudelft.nl to get advice as to whether DPIA is necessary.
If you have any additional comments, please add them in the box below.

- None of the above applies

22. What will happen with personal research data after the end of the research project?

- Personal research data will be destroyed after the end of the research project

V. Data sharing and long-term preservation

26. What data will be publicly shared?

- Not all data can be publicly shared - please explain below which data and why cannot be publicly shared

The data will be statistically analyzed, and only the aggregate results will be published.
user id will be used to represent actual participants without personal data

27. Apart from personal data mentioned in question 22, will any other data be publicly shared?

- All other non-personal data (and code) underlying published articles / reports / theses

28. How will you share your research data (and code)?

- All data will be uploaded to 4TU.ResearchData

29. How will you share research data (and code), including the one mentioned in question 22?

- All pseudonymised data will be uploaded to 4TU.ResearchData with restricted access

30. How much of your data will be shared in a research data repository?

- < 100 GB

31. When will the data (or code) be shared?

- At the end of the research project
- As soon as corresponding results (papers, theses, reports) are published

32. Under what licence will be the data/code released?

- CC BY

VI. Data management responsibilities and resources

33. Is TU Delft the lead institution for this project?

- Yes, the only institution involved

34. If you leave TU Delft (or are unavailable), who is going to be responsible for the data resulting from this project?

Ujwal Gadiraju Assistant Professor at the Web Information Systems group of the Faculty of Engineering, Mathematics and Computer Science (EEMCS/EWI) (U.K.Gadiraju@tudelft.nl)

35. What resources (for example financial and time) will be dedicated to data management and ensuring that data will be FAIR (Findable, Accessible, Interoperable, Re-usable)?

The data will be stored on the SURFDrive after the experiment is over. Results do not include any personal private information.