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## Plan Overview

*A Data Management Plan created using DMPonline*

**Title:** PhD research: Training professionals on communication via a virtual agent simulation

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**Affiliation:** Delft University of Technology

**Template:** TU Delft Data Management Plan template (2021)

### Project abstract:

A PhD project aims at examining virtual patients (i.e., virtual agents which simulates an actor who acts as a patient) in different literature, propose solutions to improve them and reflect upon the proposed solutions. Virtual patients are usually used to train professionals (e.g., counsellors) with a virtual agent. The main purpose of such system is staff education and training. Therefore, no sensitive medical data will be used.

**ID:** 96978

**Start date:** 17-01-2022

**End date:** 16-01-2026

**Last modified:** 26-08-2022

### Copyright information:

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# PhD research: Training professionals on communication via a virtual agent simulation

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## 0. Administrative questions

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

My faculty data steward, Santosh Ilamparuthi, has reviewed this DMP on 10/05/2022.

### 2. Date of consultation with support staff.

2022-05-10

## 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
Anonymised data of participants and their answers to questionnaires.	.csv	Through questionnaires.	For conducting experiments.	SURF drive	Mohammed Al Owayyed, Myrthe Tielman, Willem-Paul Brinkman
Program Code	Several (mostly; .py, .java, .html, .js)	By myself or from open-sources	To implement a prototype	TU Delft GitLab	Mohammed Al Owayyed, Myrthe Tielman, Willem-Paul Brinkman
Anonymised notes from focus groups (if needed)	.pdf	By myself	To understand the design	SURF drive	Mohammed Al Owayyed, Myrthe Tielman, Willem-Paul Brinkman
Informed Consent	.pdf	By myself	To get consent from participants to do an experiment	SURF drive	Mohammed Al Owayyed, Myrthe Tielman, Willem-Paul Brinkman

### 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?

- Data will be deposited in a data repository at the end of the project (see section V) and data discoverability and re-usability will be ensured by adhering to the repository's metadata standards
- README file or other documentation explaining how data is organised
- Methodology of data collection

The data accompanying publications (including the anonymised, non-tracable results, methodology and the analysis) will be uploaded to 4TU.

### 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?

- SURFdrive
- 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, ask your [Faculty Data Steward](#) for advice. You can also check with the [privacy website](#) or contact the privacy team: [privacy-tud@tudelft.nl](mailto:privacy-tud@tudelft.nl)*

- Yes

#### 8B. Will you work with any 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, Mohammed 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

- Data collected in Informed Consent form (names and email addresses)
- Signed consent forms
- Email addresses and/or other addresses for digital communication
- Gender, date of birth and/or age

**11. Please list the categories of data subjects**

For the experiments, the participants might be recruited through two ways:

- 1- General public through online platform (e.g., Amazon Mechanical Turk, Prolific etc..)
- 2- Counsellors who have previous experience in their field (e.g, Volunteer Counsellor)

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

- No

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

- Informed consent

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

All study participants will be asked for their consent for taking part in the studies and for data processing before the start of the experiment(s). As this initial data management plan is for the whole 4-years period of the PhD program to submit with the 3 months agreement, we still did not prepare the informed consent forms. We will provide such forms when the experiment(s) are defined.

**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 [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](mailto: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](mailto: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?**

- Anonymised or aggregated data will be shared with others

**25. Will your study participants be asked for their consent for data sharing?**

- Yes, in consent form - please explain below what you will do with data from participants who did not consent to data sharing

## V. Data sharing and long-term preservation

### 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

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

- All anonymised or aggregated data, and/or all other non-personal data will be uploaded to 4TU.ResearchData with public 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?

- As soon as corresponding results (papers, theses, reports) are published

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

- MIT License

## 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?

Myrthe Tielman (m.l.tielman@tudelft.nl)

Willem-Paul Brinkman (w.p.brinkman@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)?

4TU.ResearchData is able to archive 1TB of data per researcher per year free of charge for all TU Delft researchers. We do not expect to exceed this and therefore there are no additional costs of long term preservation.

