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# Plan Overview

*A Data Management Plan created using DMPonline*

**Title:** VR avatars and gait parametrisation

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

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## **Project abstract:**

The purpose of this research study is to find out whether the visualisation of the body in VR has influence on the precision with which the feet are placed and will take you approximately 20 minutes to complete. The data will be used for the paper of the bachelor end project. We will be asking you to walk a pattern in VR and fill in a questionnaire afterwards.

**ID:** 100687

**Start date:** 01-03-2022

**End date:** 30-06-2022

**Last modified:** 24-05-2022

## **Copyright information:**

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# VR avatars and gait parametrisation

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## 0. Administrative questions

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

Question not answered.

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

Question not answered.

## 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
Motion capture data of feet, hip, head and hands.	csv	Unity Game Engine	To find whether precision of foot placement is higher with different degrees of visualisation	Project drive	Responsible and corresponding researchers
Participant Demographics: gender, age, experience with VR and lower body injuries	csv	Unity Game Engine	To find possible deviations within different genders/ages/VR and present lower body injuries	Project drive	Responsible and corresponding researchers

#### 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 dictionary explaining the variables used
- 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?

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

As this project is for a group of BSc students mostly for educational purposes, this data will not be publicly released.

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.

Resulting code will be made publicly available at the end of the research project.

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

- Signed consent forms
- Other types of personal data - please explain below
- Gender, date of birth and/or age

Motion capture data (could be used to identify people by matching to other motion capture datasets).

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

Students and employees of the university

**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 written consent for taking part in the study and for data processing before the start of the interview.

**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](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

Although data may be used to identify a person, the only information that results from that is that this person has participated in this study.

**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
- Anonymised or aggregated data will be shared with others

Only aggregated data will be shared for the purpose of the bachelor's end-project.

**23. How long will (pseudonymised) personal data be stored for?**

- Other - please state the duration and explain the rationale below

For the duration of the research project.

Research data won't be publicly made available.

**24. What is the purpose of sharing personal data?**

- Other - please explain below

Not sharing personal data.

**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

Data will not be collected or deleted if consent is withdrawn later

## **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) produced in the project

Code will be made publicly available with an explanation such that others may continue with it.

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

- No data can be publicly shared - please explain below

## **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?**

Dr. Ing. Laura Marchal-Crespo - l.marchalcrespo@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)?**

Data will not be made publicly available.