Plan Overview

A Data Management Plan created using DMPonline

Title: Graduation Project- Embracing neurodiversity in Design Teams

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Project abstract:

In the world of design teams, diversity has long been acknowledged as a cornerstone of innovation and success. Research has consistently shown that teams comprising members from diverse backgrounds, including gender, nationality, and disciplinary expertise, tend to perform better than homogenous teams. By having a mix of views, experiences and ways of thinking, these teams are better at solving problems and finding new solutions. However, while steps have been made in embracing various forms of diversity, such as gender and cultural background, there is still room to include another type: neurodiversity.

Neurodiversity, a concept that celebrates the unique cognitive styles and strengths of individuals with conditions like Autism Spectrum Disorder (ASD), Attention Deficit Hyperactivity Disorder (ADHD) and dyslexia, offers a wealth of untapped potential within design teams. By recognising and accommodating neurodivergent traits, teams can explore new areas of creativity, problem-solving and innovation. But, despite its potential benefits, neurodiversity remains an overlooked aspect of diversity. This gap represents both a challenge and an opportunity: a challenge to overcome existing biases and barriers, and an opportunity to tap into the full range of human thinking styles. This project aims to bridge this gap by exploring how embracing neurodiversity can enhance the effectiveness and inclusivity of design teams.

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Graduation Project- Embracing neurodiversity in Design Teams

0. Administrative questions

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

My supervisor of my graduation project, Prof. Pieter Desmet, has reviewed this DMP.

2. Date of consultation with support staff.

2024-03-07

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:

- I will be conducting interviews, therefore anonymised data on individuals experience working in a team will be collected to understand their cognitive functioning. This data will include:
  - Images stored in project drive
  - Quotes stored in project drive
  - Videos stored in project drive

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

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

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.

- Yes

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.

Only the research team will have access to all the data

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

- Data collected in Informed Consent form (names and email addresses)
- Signed consent forms
- Photographs, video materials, performance appraisals or student results
- Gender, date of birth and/or age

11. Please list the categories of data subjects

Students who posses traits of a neurodivergent person will be interviewed. Course coordinators and professors will also be interviewed to understand their perspective on making diverse design teams.

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 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

19. Did the privacy team advise you to perform a DPIA?

- No

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?

- I will upload the data to another data repository (please provide details below)

My data will be uploaded in the student thesis repository

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

- At the end of the research project

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?

The Head of the Human Centred Design Department in IDE

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 student thesis repository of TUDelft has quite a large number of space available for each researcher to store the data free of charge. We do not expect to exceed this and therefore there are no additional costs of long term preservation.