Validation Studies of a Questionnaire for Evaluating Human Interaction with An Artificial Social Agent

A Data Management Plan created using DMPonline

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Template: TU Delft Data Management Questions

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Project abstract:
This study is the continuation of the research into creating a validated standardised questionnaire instrument for evaluating human interaction with an artificial social agent (e.g. animated conversational characters, robots and conversational (chat) programs). Our previous study (approved by the Human Research Ethics Committee TU Delft date 08-08-2019) has formulated 19 measurement constructs for the questionnaire instrument. Some of the constructs have dimensions. Following to this, another study has resulted questionnaires items for each construct and dimension. Both studies were conducted within an online workgroup (https://osf.io/6duf7/) involving researchers around the world as members of the workgroup (currently 93 members but still opens up for new volunteers to join). The present study aims to validate the questionnaire instrument using the factor analysis method. Data will be gathered by asking a general public using an online crowdsourcing platform to rate an interaction between an exemplar agent prototype and a human user, which is displayed on a short video. To protect the anonymity of the data, we will remove the identity information of the individual participants, such as name, email address, IP address and time, and use pseudonyms when we collect their responses. We will use the collected data for publications and the next step of the research. The anonymized dataset will be made open access after the study on the Open Science Framework website of the workgroup and 4TU.Centre for Research Data. The data can also be accessed via the project website (http://ii.tudelft.nl/evalquest/).

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General TU Delft data management questions

Question not answered.

Question not answered.

- Yes, the only institution involved

Willem-Paul Brinkman, w.p.brinkman@tudelft.nl, Associate Professor at Interactive Intelligence Group

- SURFdrive
- < 250 GB
- All data (and code) produced in the project
- < 100 GB
- Data will be uploaded to another data repository (please provide details below)
- Data will be uploaded to the 4TU.Centre for Research Data

We will use the collected data for publications and the next step of the research. The anonymized dataset will be made open access after the study on the Open Science Framework website of the workgroup (https://osf.io/6durf7). These data can also be accessed from our project website (https://ii.tudelft.nl/evalquest/).

- Yes

None of the above apply
We do not collect any personal data.

TU Delft questions about management of personal research data

We do not collect personal data.

Please provide your answer in the table below. Add an extra row for every new type of data processed:

<table>
<thead>
<tr>
<th>Type of data</th>
<th>How will the data be collected?</th>
<th>Purpose of processing</th>
<th>Storage location</th>
<th>Who will have access to the data</th>
</tr>
</thead>
<tbody>
<tr>
<td>Separate row for each type of data</td>
<td></td>
<td></td>
<td>If different from what was mentioned in Q3</td>
<td></td>
</tr>
</tbody>
</table>

- No

We do not collect personal data.

- Informed consent - please describe the informed consent procedures you will follow

We do not collect any personal data. However, before conducting the survey, the participant will be asked to read and fill in the informed consent form. The content of this form is accordance to the template provided by the Human Research Ethic Committee TUDELFT. It explains the purpose of the study, the risks, possible withdrawal and exclusion and resulted data protection. Only participants who agree and sign the consent form can participate the
study.

We do not collect any personal data.

None of the above apply
We do not collect any personal data.