



Information Sheet

Research Participant Information Sheet

Evaluation of VIVE: An LLM-based approach to identifying and extracting context-specific personal values from text

You are being invited to participate in the research study "Evaluation of VIVE: An LLM-based approach to identifying and extracting context-specific personal values from text". This study is being done by Raoul Brigola (r.j.brigola@students.uu.nl) in the context of his Master's thesis titled "VIVE: An LLM-based approach to identifying and extracting context-specific personal values from text". The study and the thesis are conducted in the department of Information and Computing Sciences of Utrecht University and supervised by Dr. Davide Dell'Anna (d.dellanna@uu.nl).

The purpose of this study is to evaluate the usefulness of the proposed VIVE pipeline for identification and extraction of context-specific personal values from natural language text, such as feedback messages collected from recipients of humanitarian programs.

In this study, you will be asked to analyze and evaluate the output generated by the VIVE pipeline for the Ukraine Dataset consisting of

messages collected from public Telegram channels. You will fill out a survey where you will comment on the helpfulness of the VIVE pipeline and on the helpfulness, completeness and understandability of its output. The estimated time to complete the survey is 15-30 minutes.

The survey is anonymous. We will store only your opinions about VIVE and its output.

Participation is voluntary. We are only allowed to collect your data for our study if you consent to this. If you decide not to participate, you do not have to take any further action. You do not need to sign anything. Nor are you required to explain why you do not want to participate. If you decide to participate, you can always change your mind and stop participating at any time, including during the study. You will even be able to withdraw your consent after you have participated. However, if you choose to do so, we will not be required to undo the processing of your data that has taken place up until that time. The personal data we have obtained from you up until the time when you withdraw your consent will be erased (where personal data is any data that can be linked to you, so this excludes any already anonymized data).

The Ethics and Privacy Quick Scan of the Utrecht University Research Institute of Information and Computing Sciences classified this research as low-risk with no fuller ethics review or privacy assessment required. If you have a complaint about the way this study is carried out, please send an email to: ics-ethics@uu.nl. If you have any complaints or questions about the processing of personal data, please send an email to the Faculty of Sciences Privacy Officer: privacy-beta@uu.nl. The

Privacy Officer will also be able to assist you in exercising the rights you have under the GDPR. For details of our legal basis for using personal data and the rights you have over your data please see the University's privacy information at www.uu.nl/en/organisation/privacy.

If you have any questions or concerns about this research please contact Raoul Brigola (r.j.brigola@students.uu.nl) or Dr. Davide Dell'Anna (d.dellanna@uu.nl).

Appendices:

- Consent form
- Generated output of VIVE
- Online version of the survey

Informed Consent

Consent form for participation in the research project

Evaluation of VIVE: An LLM-based approach to identifying and extracting context-specific personal values from text

Please read the statements below and tick the final box to confirm you have read and understood the statements and upon doing so agree to participate in the project.

I confirm that I am 18 years of age or over.

I confirm that the research project “**Evaluation of VIVE: An LLM-based approach to identifying and extracting context-specific personal values from text**” has been explained to me. I have had the opportunity to ask questions about the project and have had these answered satisfactorily. I had enough time to consider whether to participate.

I consent to the material I contribute being used to generate insights for the research project “**VIVE: An LLM-based approach to identifying and extracting context-specific personal values from text**”.

I understand that my participation in this research is voluntary and that I may withdraw from the study at any time without providing a reason, and that if I withdraw any personal data already collected from me will be erased.

I consent to allow the appropriately anonymized data to be used in future publications and other scholarly means of disseminating the findings from the research project.

I understand that the data acquired will be securely stored by researchers, but that appropriately anonymized data may in future be made available to others for research purposes. I understand that the University may publish appropriately anonymized data in appropriate data repositories for verification purposes and to make it accessible to researchers and other research users.

I confirm that I have read and understood the above statements, and

agree to participate in the study (yes or no).

☐ Yes

☐ No

Survey

The Netherlands Red Cross collects chat messages from public Telegram groups. The selected Telegram groups are used by Ukrainian refugees or internally displaced people (IDPs) in Ukraine, to communicate and help each other. People send messages to exchange information and ask questions about a variety of topics, from transportation to health care to applications for subsidies.

We have developed the VIVE (Value Identification and Value Extraction) pipeline to support Red Cross analysts in identifying and extracting people's personal values from the messages. VIVE consists of two phases: 1. The "Value Identification" phase, VIVE helps the analyst to explore a sample of the collected messages and identify a list of personal values that are of particular interest in the context of the Telegram groups. 2. In the "Value Extraction" phase, the VIVE pipeline automatically classifies all messages in the dataset w.r.t. the identified values, and provides, in addition to the classified dataset, a report to the analyst."

You can find attached an example report generated by VIVE for the Ukraine Telegram messages based on the list of 16 values identified in

the Value Identification phase. Please review the report and answer the following questions.

Vive generated report

Having a tool like VIVE for Value Identification and Value Extraction is useful to automatically extract information from feedback data (e.g. the Ukraine Telegram messages) that is relevant to humanitarian programs.

Strongly disagree ☐ Somewhat disagree ☒ Neither agree nor disagree ☒ Somewhat agree ☐ Strongly agree ☐

Having a tool like VIVE for Value Identification and Value Extraction is useful to gain insights into individuals' needs and experiences, enabling the design of humanitarian programs with personalized support and improved communication.

Strongly disagree ☐ Somewhat disagree ☒ Neither agree nor disagree ☒ Somewhat agree ☐ Strongly agree ☐

Please provide an explanation of your evaluation. You can give details on what aspects, features, or phases of VIVE are more or less useful. You can also comment on what would make a tool like VIVE more useful.



The report generated by VIVE for the Ukraine Telegram messages is useful to make decisions about the design of humanitarian programs.

Strongly disagree

☐

Somewhat disagree

☒

Neither agree nor disagree

☐

Somewhat agree

☐

Strongly agree

☐

Please provide an explanation of your evaluation. You can give details on what aspects, features, or parts of the report generated by VIVE are more or less useful. You can also comment on what would make such a report more useful.



The information contained in the report generated by VIVE messages is comprehensive.

Strongly disagree

Somewhat agree

Strongly agree

☐ ☒ Somewhat disagree ☒ Neither agree nor disagree ☐ ☐

Please provide an explanation of your evaluation. You can give details on how easy or difficult individual parts of the report are. You can also comment on what would make such a report more comprehensive.

The information contained in the report generated by VIVE is clear.

☐ Strongly disagree ☒ Somewhat disagree ☒ Neither agree nor disagree ☐ Somewhat agree ☐ Strongly agree

Please provide an explanation of your evaluation. You can give details on what parts of the report are more clear and what parts are less clear. You can also comment on what would make such a report more clear.

The personal values that VIVE extracts for the example messages included in the report are accurate. The extracted personal values are actually underlying values of the message.

Strongly disagree
☐

Somewhat disagree
☒

Neither agree nor disagree
☒

Somewhat agree
☐

Strongly agree
☐

Please provide an explanation of your evaluation. You can give details on which personal values you think are extracted accurately. You can also comment if any personal values that you detect in the messages were not extracted by VIVE.

Final comments

Thank you for taking time to complete this survey.

Do you have any additional comments on how a tool like VIVE could support the Red Cross when analysing feedback data from humanitarian programs or do you have suggestions on how to improve VIVE and the report generated by VIVE?



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