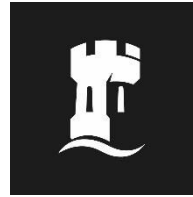


PROJECT INFORMATION



University of
Nottingham
UK | CHINA | MALAYSIA

Date: 12/11/2018

Project: Investigation of how AI assistant Alexa can aid learning maths

School of Computer Science Ethics Reference:

Purpose of the research.

The purpose of this research is to evaluate how useful AI assistants are at aiding the maths learning process currently in order to make them better in the future.

This aims to break down the interaction between Amazon Alexa and the participant to see what happens when learning activities are completed and the processes than Alexa carries out currently.

Nature of participation.

This research is voluntary and relies on both the parent of the child giving consent and the child wanting to participate when asked in the classroom.

Participant engagement

Taking part in this research will involve two questionnaires on Google forms, then interacting with Alexa for 15 minutes to do maths activities such as 1-2-3- Maths and then a discussion. With the discussion and time interacting with Alexa, audio will be recorded and all the responses on the forms along with the Alexa transcript will be used.

Benefits and risks of the research.

This research could help to develop Alexa skills in order to better help young people learn Maths and improve the human interaction abilities of the Amazon Alexa.

Use of your data.

This data will be stored on a password-protected computer and will only be seen by myself, and my supervision team for examination purposes. All data will be destroyed after graduation and will not be used for any purpose other than those stated on the consent form.

Future use of your data.

The data will be deleted after graduation and data will never be used by another study.

Mixed personal data

The research will gather 'mixed' personal data, i.e., data that simultaneously involves multiple participants and/or is irreducibly social in nature. In this case, mixed personal data includes group audio conversations. We can only delete mixed personal data if all parties to it withdraw their consent. However, we will redact any data that identifies you in public presentations and reports of this research insofar as this is practicable and the data has not already been made public by yourself (e.g., posted on social media).

Procedure for withdrawal from the research

You may withdraw your child from the study and do not have to give reasons for why you no longer want your child take part. This can be done up until alternative data can be collected so as not to rick the success of the dissertation. All personal data on the participant will be destroyed in that case.

If you wish to withdraw your child or your child wishes to be withdrawn, please contact the researcher who gathered the data. If you receive no response from the researcher please contact the School of Computer Science's Ethics Committee.

Contact details of the ethics committee.

If you wish to file a complaint or exercise your rights you can contact the Ethics Committee at the following address: cs-ethicsadmin@cs.nott.ac.uk

Contact details of researcher

If you have any questions about your child participating in this study that you want answered before giving consent, please feel free to contact the researcher.

Michelle Ruas

University of Nottingham, Computer Science

Phone: 07490971786

Email: psymr1@nottingham.ac.uk

Supervisor's contact details

Name: Max Wilson

Phone: 0115 8466551

Email: Max.Wilson@nottingham.ac.uk