



Project Title: Evaluation of Learning Analytics Software
Human Ethics - H19-02053
Investigator: Dr. Bowen Hui
Department of Computer Science, Physics, Mathematics, Statistics
Email: bowen.hui@ubc.ca

INFORMED CONSENT: STUDENT PARTICIPATION

Introduction

You are invited to participate in a study that concerns how people interact educational software and/or output of educational software. As a participant in this study, you will be asked to complete a questionnaire and interact with educational software as needed.

This statement contains information about the present study that is intended to help you decide whether you wish to participate in it. You may refuse to sign this form and not participate in this study. You should be aware that even after you signed, you are free to withdraw at any time. If you withdraw from this study, it will not affect your relationship with this unit, the people involved in the study, the services it may provide to you, or the University of British Columbia Okanagan. If you have any questions about this study before, during, or after your participation, please feel free to direct them to:

Dr. Bowen Hui
Tel: 250-807-9353, Email: bowen.hui@ubc.ca

Study Objectives

The objective of this work is to develop educational software that helps students and course administrators to automatically generate and interpret feedback from assignment submissions in a course.

Procedure: Assignment Feedback Usefulness (Total expected time: 0.5 hour)

1. As part of the course, you will work on assignments and submit them as usual. Nothing will change from standard procedures.
2. As part of this study, we will provide a set of videos online as additional reference material. You may use them or not, it is up to you. They are meant to help you with lecture concepts without you having to search for videos on your own.
3. At the end of the course, you will be asked to complete a short questionnaire based on the feedback you received about your submitted work. This is to help us identify what has been useful for you and what changes we need to make in the future.

Risks

There are no known risks to participants that as there is nothing more than what you would normally be doing for studying purposes regardless of their participation in the study.

Benefits



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The participants may gain a better understanding of the concepts that you practice on through the software, may develop an appreciation for learning analytics software, and may develop interest in the research and development process.

Privacy and confidentiality

Questionnaires and computer logs are anonymous. Names of participants will be stored separately from information collected by a neutral third party from UBC Okanagan IT department, Olivier Dube. Therefore, the instructor of the course will not get access to participants' information until after the course appeal date. During this time, the instructor will only have access to anonymized version of your data. Information collected include all your electronically submitted programming work and associated marks (such as labs and assignments). Your name will not be associated in any way with the information collected about you or your usage of the computer during the study. Furthermore, because the interest of this study is to identify average responses and behavior of the entire group of participants, you will not be identified in any way in any written reports of this research.

In the case that your instructor provides a bonus mark incentive to participating in this study, the list of participants will be provided to the instructor to update your course grade. To get the bonus mark, you may opt to not participate and complete an alternate assignment instead. In the case that your instructor does not provide a bonus mark incentive for participation, no information is given to the instructor whether you participated or not.

Participants have a right to access their own results so long as their names and numeric tags are still available. The data obtained from both components of the study will be retained for at least 5 years after publication in secured, electronic form, which only researchers associated with this research will have access to. No audio or video tapes will be used. General results of the research study may be available through publications. A summary of the results will be made available to participants upon request.

Access to course work and associated grades

By checking the boxes below, you are providing consent for the researchers in this study to analyze your course work and grades. The grades will only be used for research analysis purposes without including any of the participants' personal information. You can participate in this study by giving us access to your submitted course work, the associated grades, or both. In the case you decided to not participate in this study, you will be provided with an alternative assignment for getting the bonus mark.

Concerns about participants' rights



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If you have any concerns or complaints about your rights as a research participant and/or your experiences while participating in this study, contact the Research Participant Complaint Line in the UBC Office of Research Ethics toll free at 1-877-822-8598 or the UBC Okanagan Research Services Office at 250-807-8832. It is also possible to contact the Research Complaint Line by email (RSIL@ors.ubc.ca). When doing so, include the study number H19- 02053 when contacting their staff so they can better assist you.

Participant consent and signature

I have read this Consent form. I have had the opportunity to ask, and I have received answers to, any questions I had regarding the study and the use and disclosure of information about me for the study. I agree to take part in this study as a research participant. By my signature I affirm that I have received a copy of this Consent form.

| | |
|--|---|
| <input type="checkbox"/> Yes <input type="checkbox"/> No | I am willing to provide access to my submitted course work |
| <input type="checkbox"/> Yes <input type="checkbox"/> No | I am willing to provide access to my course grades associated with the submitted work. |

Your decision to participate in this study will in no way impact your course grades, class standing, or your relationship with UBC.

Participant Name:

Date:

Participant Signature: