
You are invited to participate in a research study entitled: Measuring effects of input lag in high-speed videogames

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Supervisor: Carl Gutwin (Faculty) Department of Computer Science, University of Saskatchewan, (306) 966-8646, gutwin@cs.usask.ca

Purpose(s) and Objective(s) of the Research:

- Learn effects of input lag on high-speed aiming tasks & create model between lag and performance in videogames

Procedures:

- Participants will come to the HCI lab (room Thorv 376) at the University of Saskatchewan and play a videogame where users click on white circles with various computer input devices. Gameplay data will automatically be logged, and the participant will be asked some demographic questions and their prior experiences with videogames.
- Please feel free to ask any questions regarding the procedures and goals of the study or your role.

Funded by: NONE

Potential Risks:

- There are no known or anticipated risks to you by participating in this research except for possible arm/hand/finger tiredness. Participants will be given periodic breaks to rest their hands as long as they like between tasks.
- Participants will be told the goal of the study after it is done and given instructions on how to obtain the results from the study in the future.

Potential Benefits:

- Game designers will be able to create more enjoyable games by knowing the relationship between performance and lag.

Compensation: 10\$ honorarium

Confidentiality: (see consent guidelines section 9)

- **Storage of Data:**
 - Data will be securely stored either in a locked filing cabinet in a locked office OR on a password protected computer. All data will be stored for 5 years with Carl Gutwin.
 - When the data no longer required, the data will be destroyed by shredding (paper) or electronic file deletion.

Right to Withdraw:

- Your participation is voluntary and you can answer only those questions that you are comfortable with. You may withdraw from the research project for any reason, at any time without explanation or penalty of any sort until August 20th, 2018 for which results may have been disseminated. After this date, it is possible that some form of research dissemination will have already occurred and it may not be possible to withdraw your data
- Should you wish to withdraw, any data collected from your will be immediately deleted/destroyed.

Follow up:

- To obtain results from the study, please email michael.long@usask.ca two months after the study has been completed.

Questions or Concerns:

- Contact the researcher(s) using the information at the top of page 1;
- This research project has been approved on ethical grounds by the University of Saskatchewan Research Ethics Board. Any questions regarding your rights as a participant may be addressed to that committee through the Research Ethics Office ethics.office@usask.ca (306) 966-2975. Out of town participants may call toll free (888) 966-2975.

Consent

Your signature below indicates that you have read and understand the description provided; I have had an opportunity to ask questions and my/our questions have been answered. I consent to participate in the research project. A copy of this Consent Form has been given to me for my records.

Name of Participant

Signature

Date

Researcher's Signature

Date

A copy of this consent will be left with you, and a copy will be taken by the researcher.