

Tooling for Macros in Rust

INFORMATION SHEET FOR PARTICIPANTS

Thank you for your interest in this project. Please read this information before deciding whether or not to take part. If you decide to participate, thank you. If you decide not to take part, thank you for considering my request.

Who am I?

My name is Daniel Campbell and I am an Honours student in the School of Engineering and Computer Science at Victoria University of Wellington. This research project is work towards my thesis.

What is the aim of the project?

This project aims to create a tool for Rust that can visualise macro expansion, allowing users to step through their code at various stages of expansion, with the ability to expand only the macro uses of interest to the user. This study is designed to evaluate the performance of the tool in helping experienced Rust users identify macro output (and potential errors), as well as to determine their opinion of the tool's usefulness.

This research has been approved by the Victoria University of Wellington Human Ethics Committee.

How can you help?

If you consent to participating in the study, you will have the opportunity to use the developed tool on a range of example questions (all single-file code snippets). After taking the time to get a feel for the tool, you can navigate to the following link to fill out a short survey:

<https://goo.gl/forms/LCtwNeBUaSRGF6ID2>

You are free to stop the study at any time – results will only be recorded after completion of the final survey.

What will happen to the information you give?

This research is anonymous. You are not required to provide your name, and no identifying data will be collected. Only my supervisors and I will read the results of the experiment. These results and any summaries will be kept securely and destroyed one year after the research ends.

What will the project produce?

The information from my research will be used in my Honours report. You will not be identified in my report. I may also use the results of my research for conference presentations, and academic reports.

If you accept this invitation, what are your rights as a research participant?

You do not have to accept this invitation if you don't want to. If you do decide to participate, you have the right to:

- choose not to answer any question;
- stop the experiment at any time;
- be able to read any reports of this research by emailing the researcher to request a copy.

If you have any questions or problems, who can you contact?

If you have any questions, either now or in the future, please feel free to contact either:

Student:

Daniel Campbell

daniel.campbell@ecs.vuw.ac.nz

Supervisor:

Alex Potanin

Senior Lecturer

School of Engineering and
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Human Ethics Committee information

If you have any concerns about the ethical conduct of the research you may contact the Victoria University HEC Convener: Associate Professor Susan Corbett. Email susan.corbett@vuw.ac.nz or telephone +64-4-463 5480.