



# reVISit: Declarative Study Framework

<https://revisit.dev>

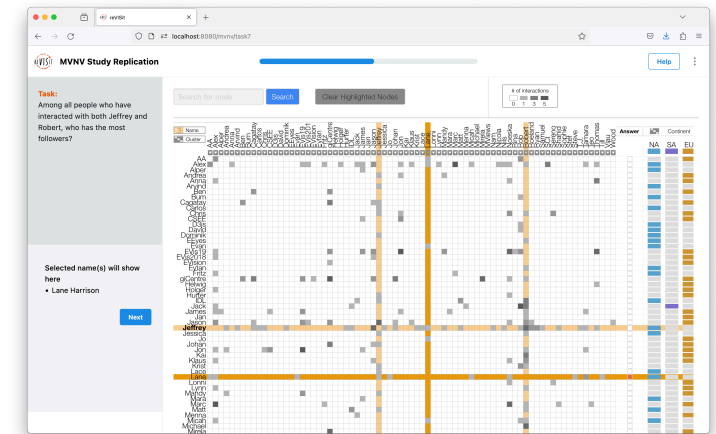
reVISit is an open-source software toolkit and framework for creating, deploying, and monitoring empirical visualization studies.

Running a quality empirical study in visualization can be demanding and resource-intensive, requiring substantial time, cost, and technical expertise from the research team. These challenges are amplified as research norms trend towards more complex and rigorous study methodologies, alongside a growing need to evaluate more complex interactive visualizations.

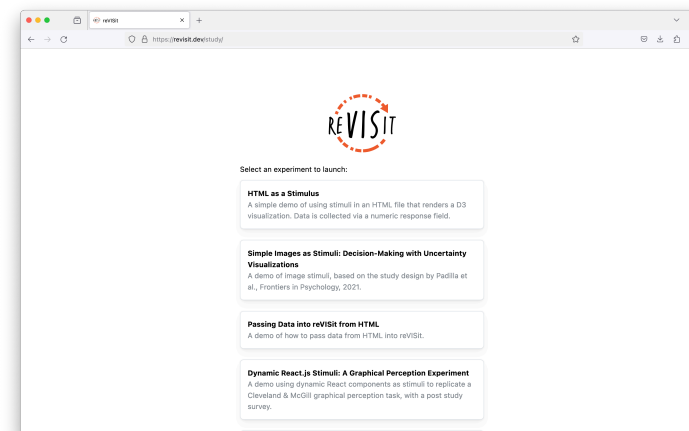
reVISit aims to ameliorate these challenges by introducing a domain-specific language for study set-up, and a series of software components, such as UI elements, behavior provenance, and an experiment monitoring and management interface. Together with interactive or static stimuli provided by the experimenter, these are compiled to a ready-to-deploy web-based experiment.

Our future work includes a study builder interface and reworking our prior analytics interface. Our study builder will allow users to make a study using a graphic interface, and the analytics interface will allow users to understand their results.

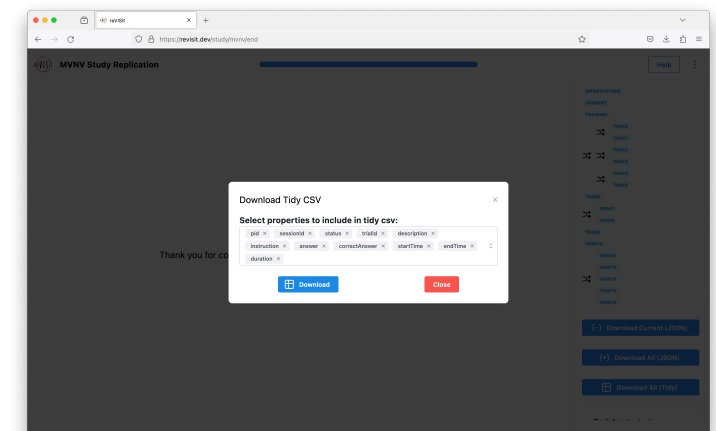
Define a study using our domain specific language, reVISit.spec.



Use the local development server to understand your study before it is deployed.



Deploy your study with a simple push to GitHub, making your study reproducible.



Download participant data as JSON or tidy csv for analysis



visualization  
design lab



WPI



UNIVERSITY OF  
TORONTO



**PIs:** Alexander Lex, Lane Harrison  
**Personel:** Carolina, Nobre, Jack Wilburn, Yiren Ding, Hilson Shrestha, Kiran Gadhave, Akim Ndlovu, Zach Cutler  
**Award Number:** 2213756 & 2213757

