

Key Contributions

From a study with 17 participants, we show that, by lowering the cost of validation by execution, Live Programming...

mitigates over- and under-reliance on AI-generated code

reduces the need for code examination in some tasks

lowers the cognitive load of validation in some tasks

Tool: <https://leap.goto.ucsd.edu>

This Talk

1

Validation Support
for AI-Assisted
Software Development

2

Understanding
Scientific Users of
Computational Notebooks

3

Ongoing & Future Work