

# Paper Title

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CodeGRITS: A Research Toolkit for Developer Behavior and Eye Tracking in IDE

## Purpose of Artifact

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CodeGRITS is designed for empirical software engineering researchers, especially those interested in studying developers' programming behaviors. It is a plugin for JetBrains IDEs (IntelliJ, PyCharm, etc.) that collects developer IDE interactions and eye-tracking data, and exports them into XML files. It also includes several practical features including screen recording, dynamic configuration, activity labeling, and a real-time API.

## Claiming Badges

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We claim both **Available** and **Reusable** badges for this artifact. We also apply for the **Results Reproduced** badge.

## Technology Skills

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We prepare the artifact via VirtualBox VM image (Ubuntu 20.04 LTS). The VM has 8GB of base memory and 4 CPU cores. No special technology skills are required, but the PC who is familiar with IntelliJ IDEA is strongly recommended.

The PC that has a Tobii Pro Fusion eye tracker is preferred, but not required. CodeGRITS could use the mouse to simulate the eye tracker. We believe it would not affect the evaluation results.