

AI for formative feedback in large computer programming courses questionnaire based on post-test

“AI用于大型计算机编程课程中的形成性反馈项目”后测问卷

Thank you for participating in this study! In this pre-test, you will use TraceMate test-case feedback for debugging. Please answer the following questions based on your experience. Your responses will help us understand the effectiveness of TraceMate feedback during debugging. All data will be kept confidential.

感谢您参与本次研究！在前测阶段，您将使用 TraceMate 测试用例反馈进行调试。请根据您的实际体验，回答以下问题。您的回答将帮助我们了解调试中 TraceMate 的反馈效果。所有问卷数据将保密。

* Please write the selected number in the box. 请在方框内写下你选择的数字。

1. To what extent did the TraceMate's feedback help you quickly identify errors in your code?

TraceMate的反馈在多大程度上帮助您快速识别代码中的错误？

- | | | | | |
|----------------------|-----------------------|-----------|-----------|----------------|
| ① Not helpful at all | ② Very little helpful | ③ Neutral | ④ Helpful | ⑤ Very helpful |
| ① 完全没有帮助 | ② 很少帮助 | ③ 一般 | ④ 有帮助 | ⑤ 非常有帮助 |

2. To what extent did TraceMate's feedback provide sufficient detail to help you understand the cause of the errors?

TraceMate 的反馈在多大程度上提供了足够的细节来帮助您了解错误的原因？

- | | | | | |
|---------------------|--------------------|-----------|----------------------|-----------------|
| ① No details at all | ② Very few details | ③ Neutral | ④ Sufficient details | ⑤ Very detailed |
| ① 完全没有细节 | ② 细节很少 | ③ 一般 | ④ 细节适中 | ⑤ 细节非常充分 |

3. To what extent was the TraceMate's feedback clear enough to help you determine the corrective actions?

TraceMate 的反馈在多大程度上足够清晰以帮助您确定纠正措施？

- | | | | | |
|--------------------|------------------|-----------|---------|--------------|
| ① Not clear at all | ② Not very clear | ③ Neutral | ④ Clear | ⑤ Very clear |
| ① 完全不清楚 | ② 不太清晰 | ③ 一般 | ④ 清晰 | ⑤ 非常清楚 |

4. To what extent did the TraceMate's feedback boost your confidence when programming?

TraceMate的反馈在多大程度上增强了您编程时的信心？

- | | | | | |
|----------------------|-----------------------|-----------|-----------|----------------|
| ① Not helpful at all | ② Very little helpful | ③ Neutral | ④ Helpful | ⑤ Very helpful |
| ① 完全没有帮助 | ② 很少帮助 | ③ 一般 | ④ 有帮助 | ⑤ 非常有帮助 |

5. To what extent did the TraceMate's feedback prompt you to reconsider your debugging strategy?

TraceMate的反馈在多大程度上促使您重新考虑调试策略？

- | | | | | |
|--------------|---------------|-----------|------------|-------------|
| ① Not at all | ② Very little | ③ Neutral | ④ Somewhat | ⑤ Very much |
| ① 完全没有促使 | ② 很少促使 | ③ 一般 | ④ 有促使 | ⑤ 非常有促使 |

6. To what extent did the TraceMate's feedback system provide you with systematic debugging support, making the debugging process smoother?

TraceMate的反馈系统在多大程度上为您提供了系统化的调试支持，使调试过程更顺畅？

- | | | | | |
|--------------|---------------|-----------|-----------|----------------|
| ① Not at all | ② Very little | ③ Neutral | ④ Helpful | ⑤ Very helpful |
| ① 完全没有支持 | ② 很少支持 | ③ 一般 | ④ 有支持 | ⑤ 非常有支持 |

7. To what extent did the TraceMate's feedback help you recognize and understand common error types, thus reducing similar issues in the future?

TraceMate的反馈在多大程度上帮助您识别并理解常见的错误类型，从而减少未来出现类似问题的可能性？

- | | | | | |
|----------------------|-----------------------|-----------|-----------|----------------|
| ① Not helpful at all | ② Very little helpful | ③ Neutral | ④ Helpful | ⑤ Very helpful |
| ① 完全没有帮助 | ② 很少帮助 | ③ 一般 | ④ 有帮助 | ⑤ 非常有帮助 |

8. To what extent did TraceMate's feedback help you improve your debugging skills and problem-solving abilities?

TraceMate的反馈在多大程度上帮助您提高了调试技能和解决问题的能力？

- | | | | | |
|--------------|---------------|-----------|-----------|----------------|
| ① Not at all | ② Very little | ③ Neutral | ④ Helpful | ⑤ Very helpful |
| ① 完全没有支持 | ② 很少支持 | ③ 一般 | ④ 有支持 | ⑤ 非常有支持 |

Thank you for your participation again! If you have a problem with the questionnaire or research, please email the principal researcher ([Anonymous Email Address for Reviewing](#)).