

## Activity 1

1.

The researchers aim to assess the usability, learning effectiveness and user experience of LinguaLift: using satisfaction/efficiency ratings on a 0-5 scale, changes in test scores before and after learning And as well as open-ended feedback to answer questions such as "Does the software enhance language skills? Which features are the most popular? What are the main pain points?"

2.

a.

The response of participant 13 was very contradictory, which may have resulted from confusing questionnaire design — although Q1–Q4 were phrased as “How...” questions, respondents had to choose “agree” or “disagree,” which could easily cause misunderstanding. Including this data could introduce bias into the analysis and negatively affect the results.

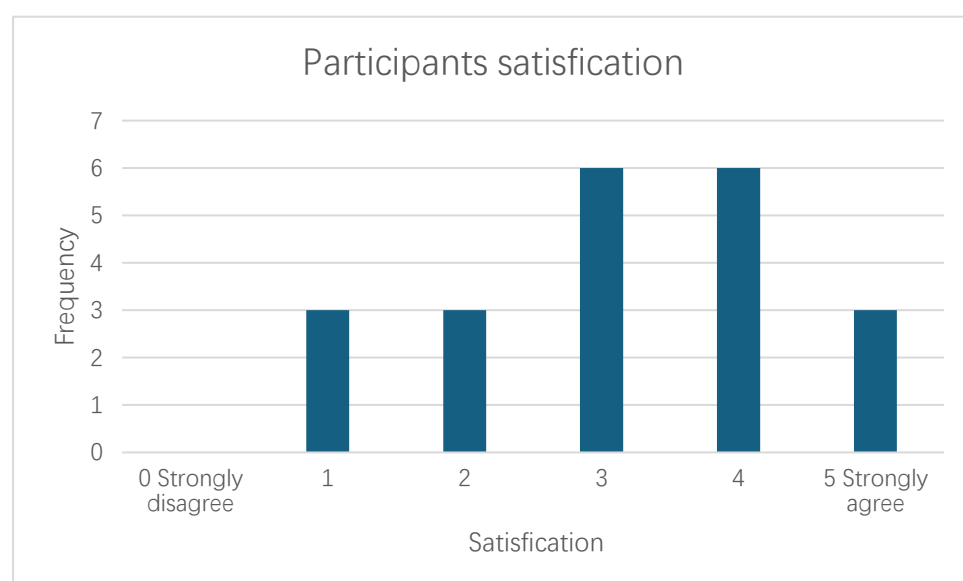
b.

Because this set of data is internally contradictory and lacks reference value, it should be removed or double-checked, and if there is reasonable evidence (such as recording errors), it can be corrected or excluded with transparent documentation in the analysis.

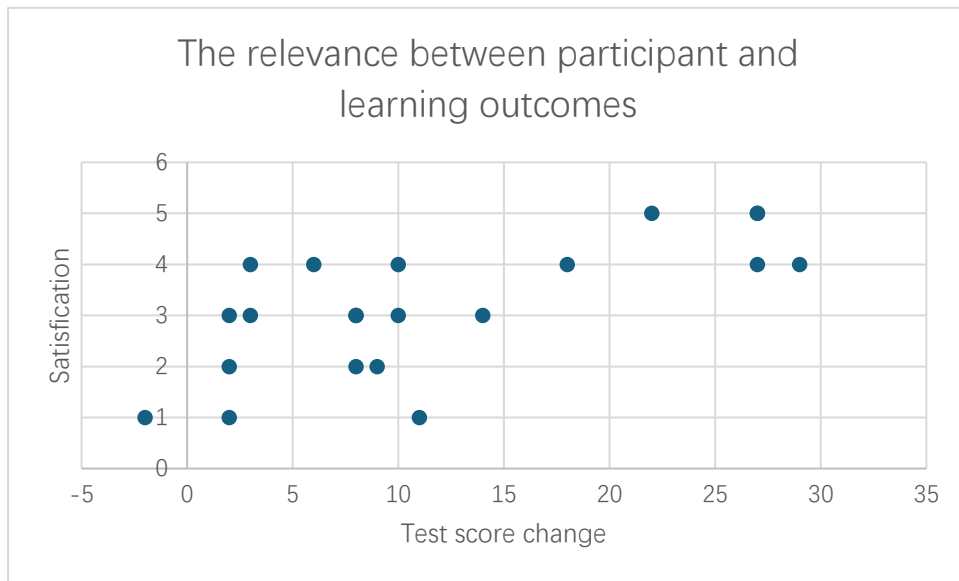
## Activity 2.

3.

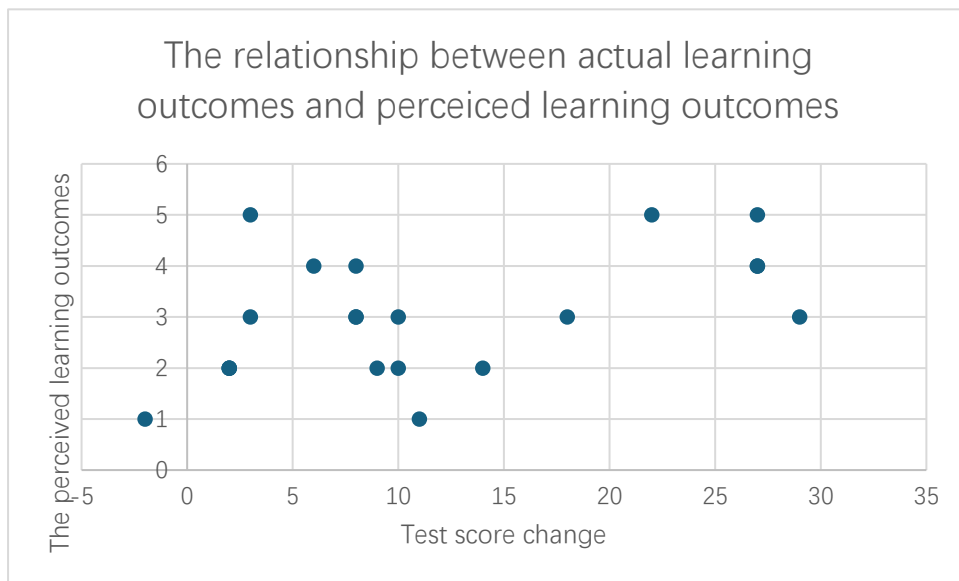
a)



b)



c)



### Activity 3.

5.

- 1) Usability Issues: Complicated to get around/UI not intuitive
- 2) Technical Issues: Occasional crashes / Frequent crashes / glitches / slow loading / speech recognition needs improvement / AI didn't understand me
- 3) Engagement Features: Too easy / too long / repetitive / variety of...
- 4) Learning Effectiveness: Personalized/custom learning path / progress tracking / vocabulary lists

- 5) AI Interaction: AI conversations / real-time feedback / pronunciation feedback
- 6) Content Limitations and Diversity: Needs more language options / more examples / limited stories / lacks advanced content / cultural context

6.

Related codes: AI interaction; Technical issues; learning effectiveness

AI-Mediated Learning highlights how AI technologies shape learners' experiences by providing real-time feedback, pronunciation correction, and adaptive guidance. However, it also involves potential drawbacks such as system instability, technical glitches, or inaccurate recognition, which can disrupt learning and undermine user trust.