

MEASURING ENGAGEMENT WITH MUSIC IN DEMENTIA PATIENTS

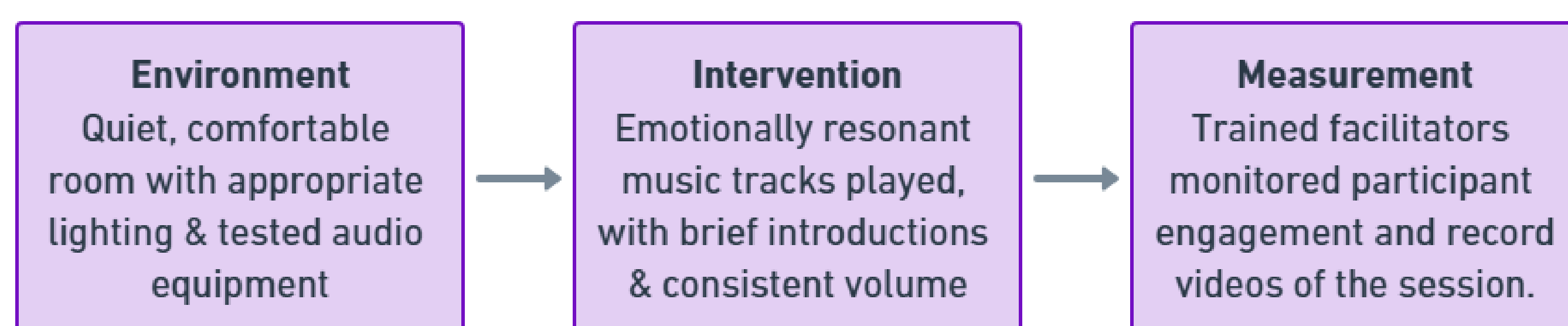
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Introduction

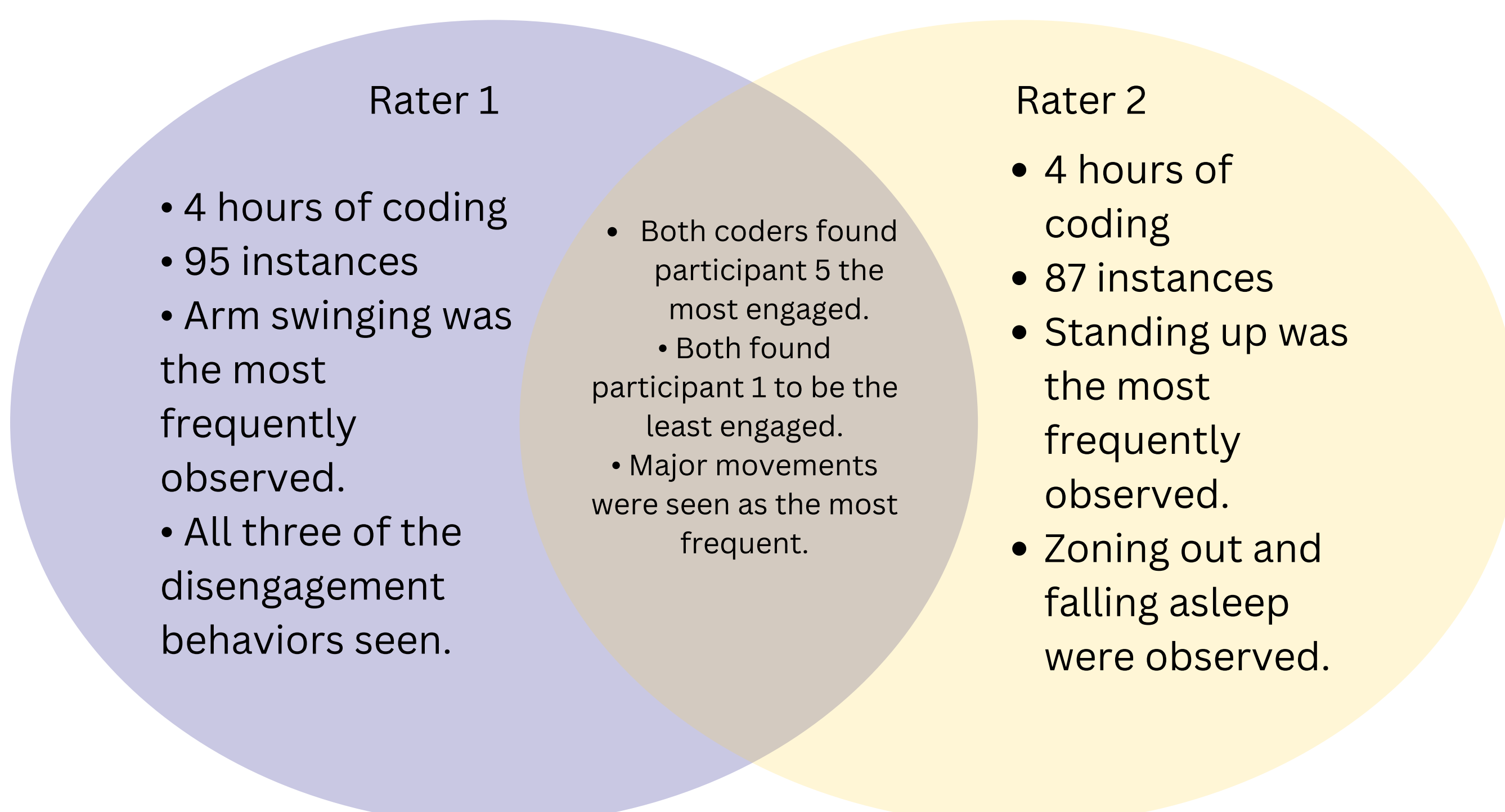
- For Alzheimer disease (AD) patients, music Intervention (MI) heals episodic memory & reduces agitation symptoms.¹
- Observational coding system quantitatively measures emotional reactions and assesses patient engagement
- This is the first event-based coding scheme to assess AD patients' engagement & disengagement for MT.

Methods

Musical Intervention



Inter rater reliability



Findings



Figure 1: Frequency of Reactions/Event occurrences in Video Coding process

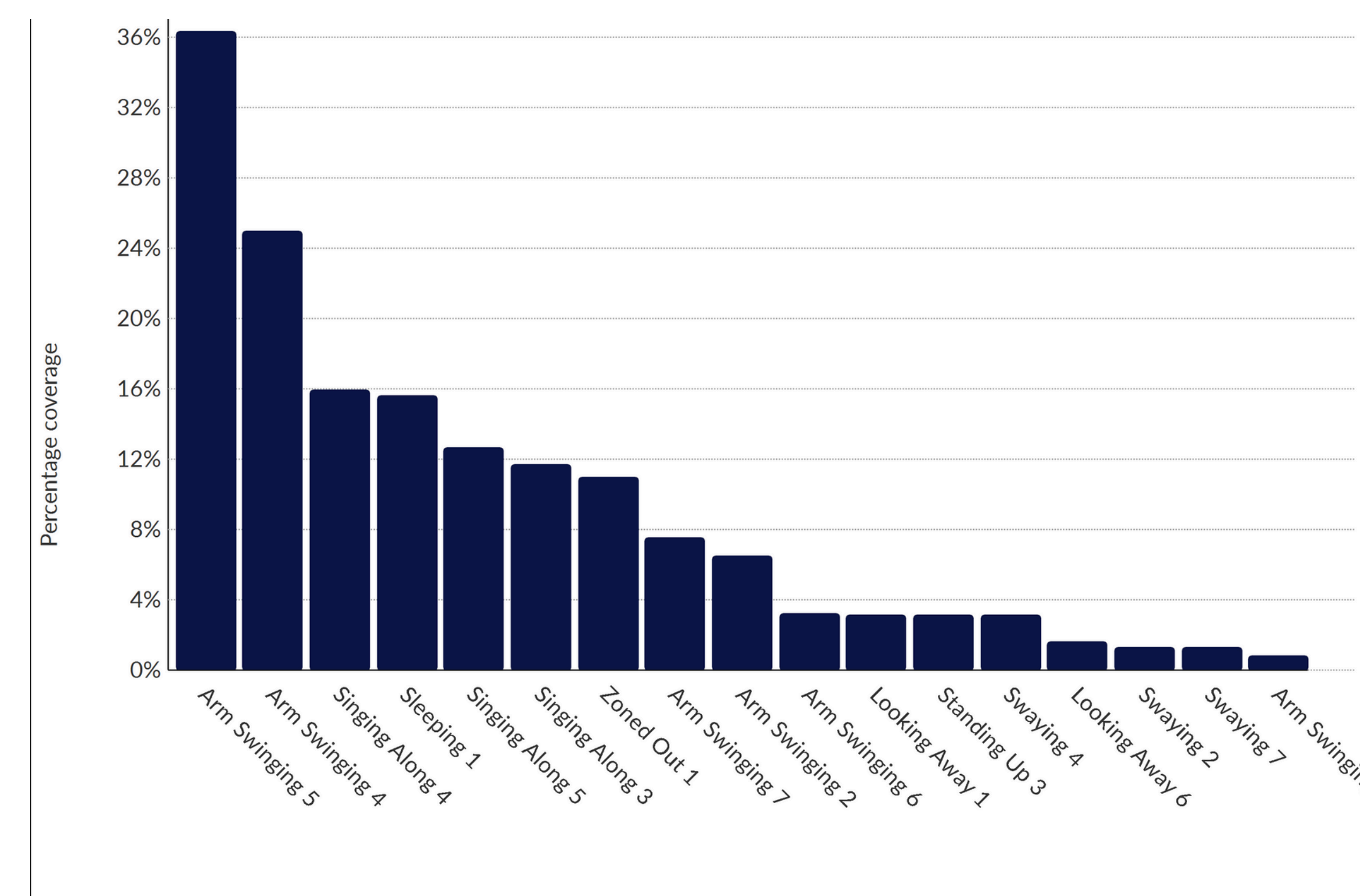
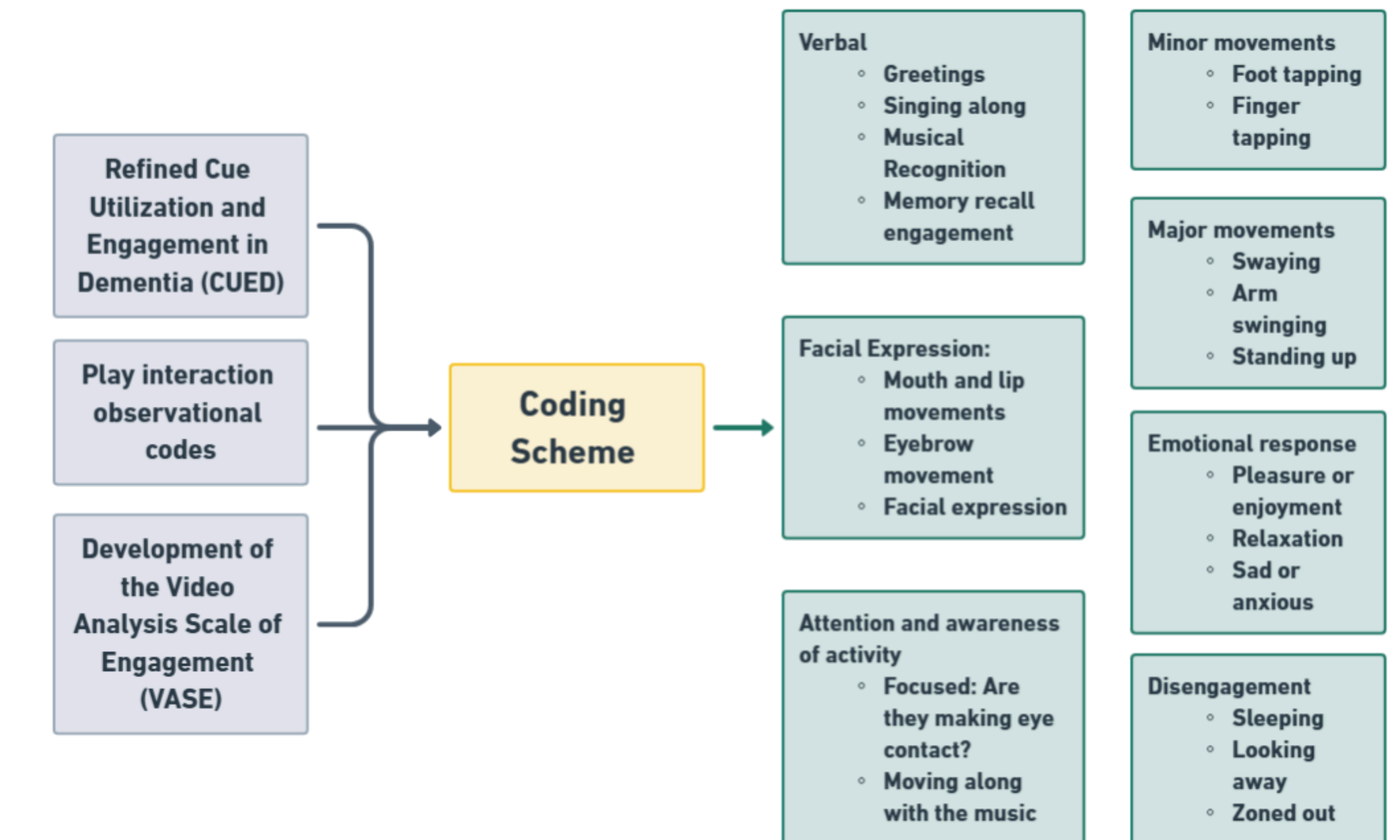


Figure 2: Percentage of Time Spent on each Reaction by Residents

Coding Scheme



Conclusion

Under this coding scheme,

- Engagement analysis via video coding is applicable.
- Well-defined coding scheme can yield reliable results.

Limitations:

- Participant's positions can obscure features.
- This study has only examined one video so far.

Future Directions:

- Additional videos will be examined to improve reliability.
- Disengagement behavior will be more clearly defined



References

