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Musicality, Misophonia Sensitivity, and Responsiveness to Misophonia Videos

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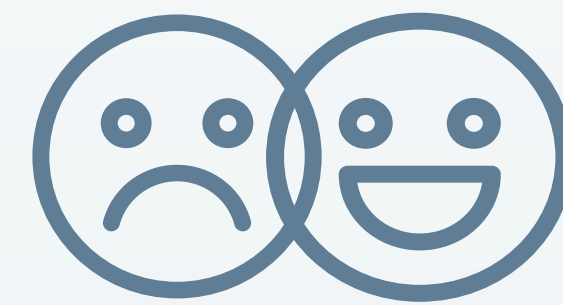
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Introduction

- **Misophonia** - A disorder of decreased tolerance to specific sounds and associated contexts.¹
- Previous research has suggested that self-reported misophonia was lower in individuals who were musicians (practiced for 1-7 hours daily)²



Methods

N = 60 adults

Measures:

- Misophonia Sensitivity: Amsterdam Misophonia Scale (A-MISO-S)³
- Musicality: Gold's Musical Sophistication Index (Gold-MSI), with subfactors of active engagement, perceptual abilities, musical training, singing abilities, and emotions⁴
- Emotional Responses: Button clicks indicating real-time response to videos of misophonia triggers (snoring, slurping, gulping, etc)

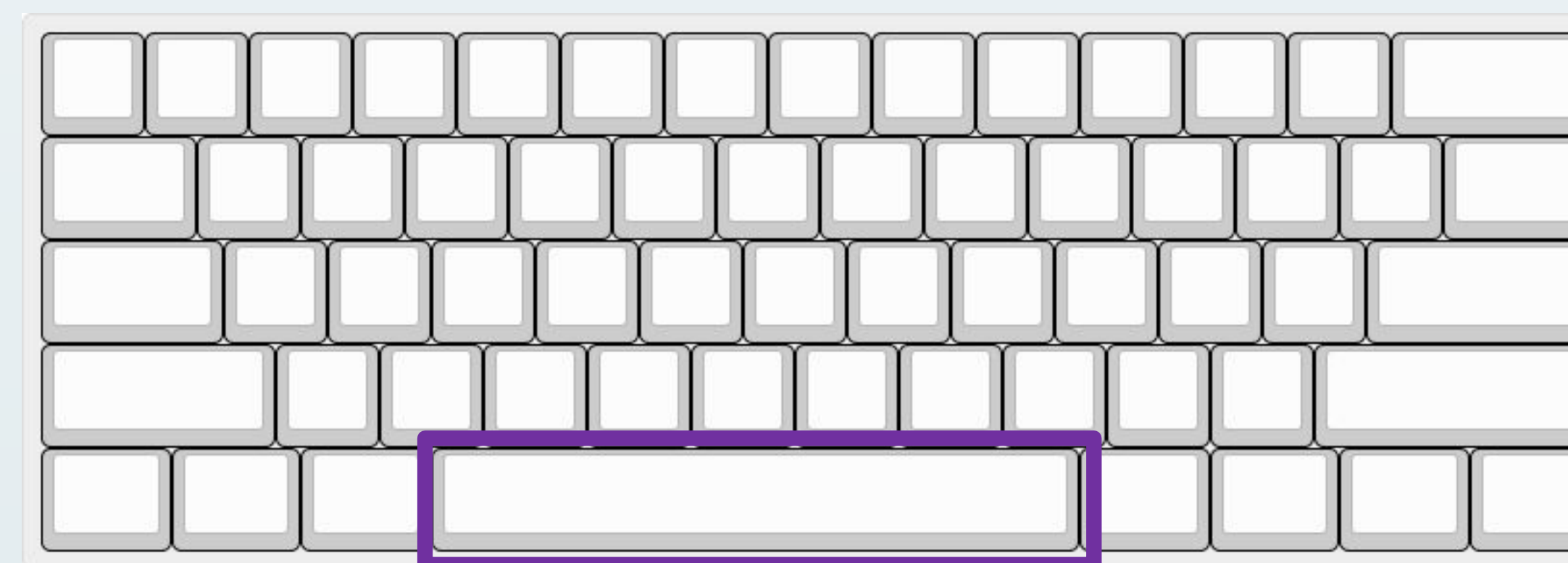


Research Question

- Do musicality and misophonia sensitivity predict emotional responses to videos of misophonia triggers?

Results

- No correlation between GOLD-MSI scores and emotional responses to misophonia trigger videos
 - $r = -0.159$, $p = 0.224$
- Participants with higher A-MISO-S scores had more frequent emotional responses
 - $r = 0.280$, $p = .030$



Conclusion

- Misophonia sensitivity as measured by the A-MISO-S predicts emotional responses to misophonia trigger videos, but musical sophistication (Gold MSI scores) did not.
- A measure of real-time responses to videos can capture a meaningful aspect of misophonic experience in the general population.
- Future research should investigate whether more direct measures of musicality such as perceptual tasks will show a relationship between musicality and misophonic reactions.

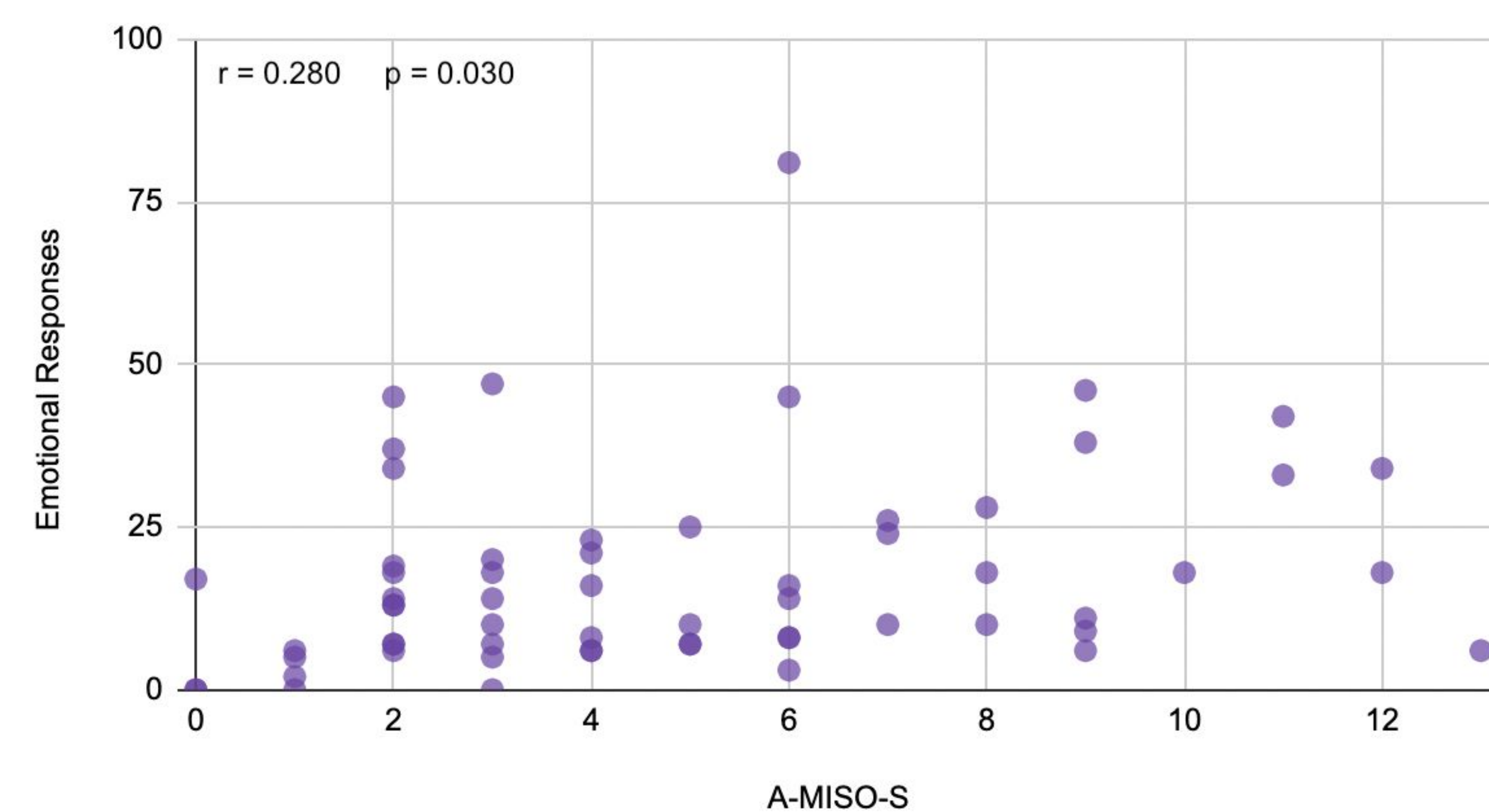


Acknowledgements

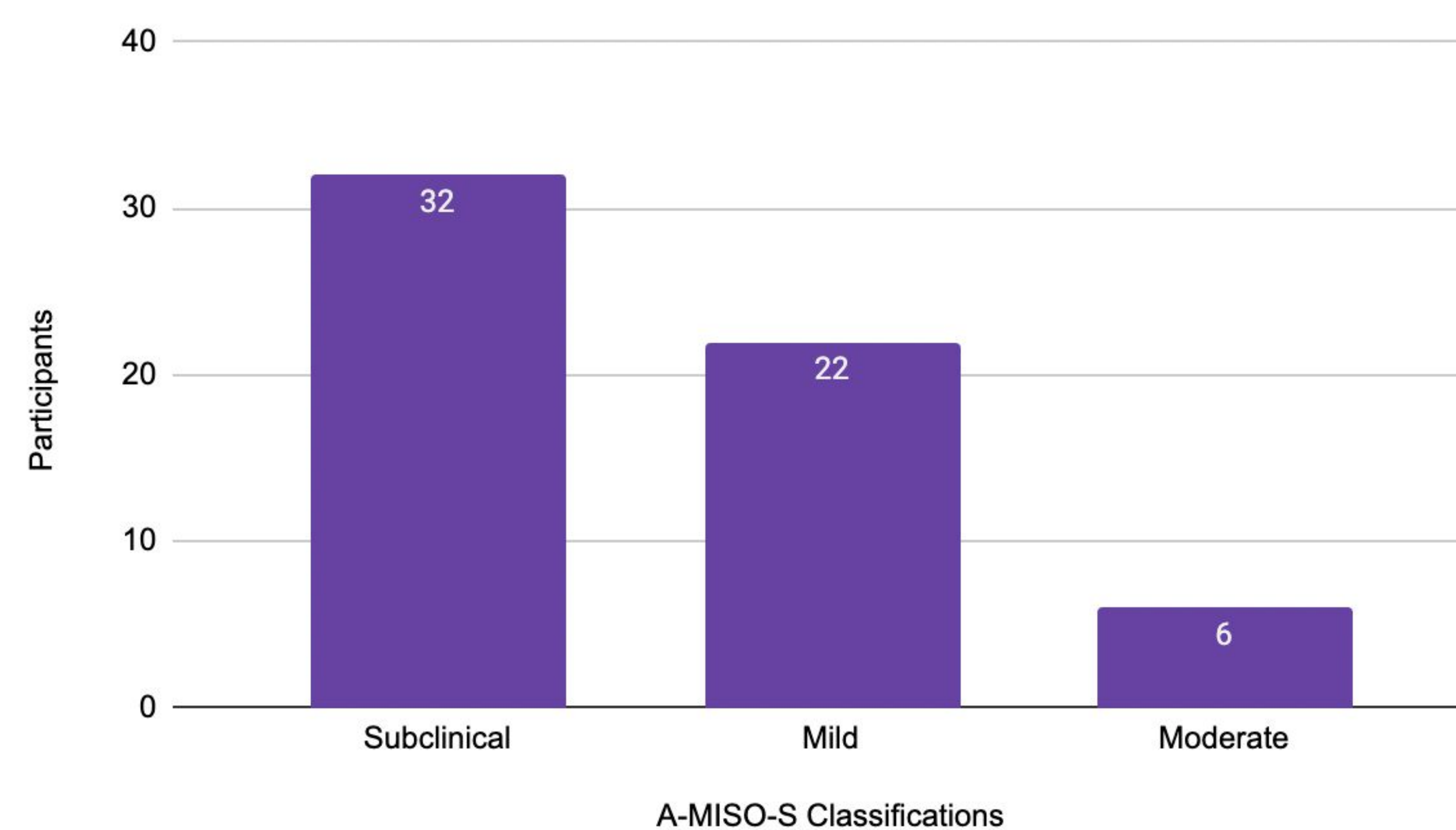
- Funding was provided through the Misophonia Research Fund Grant from the REAM Foundation.



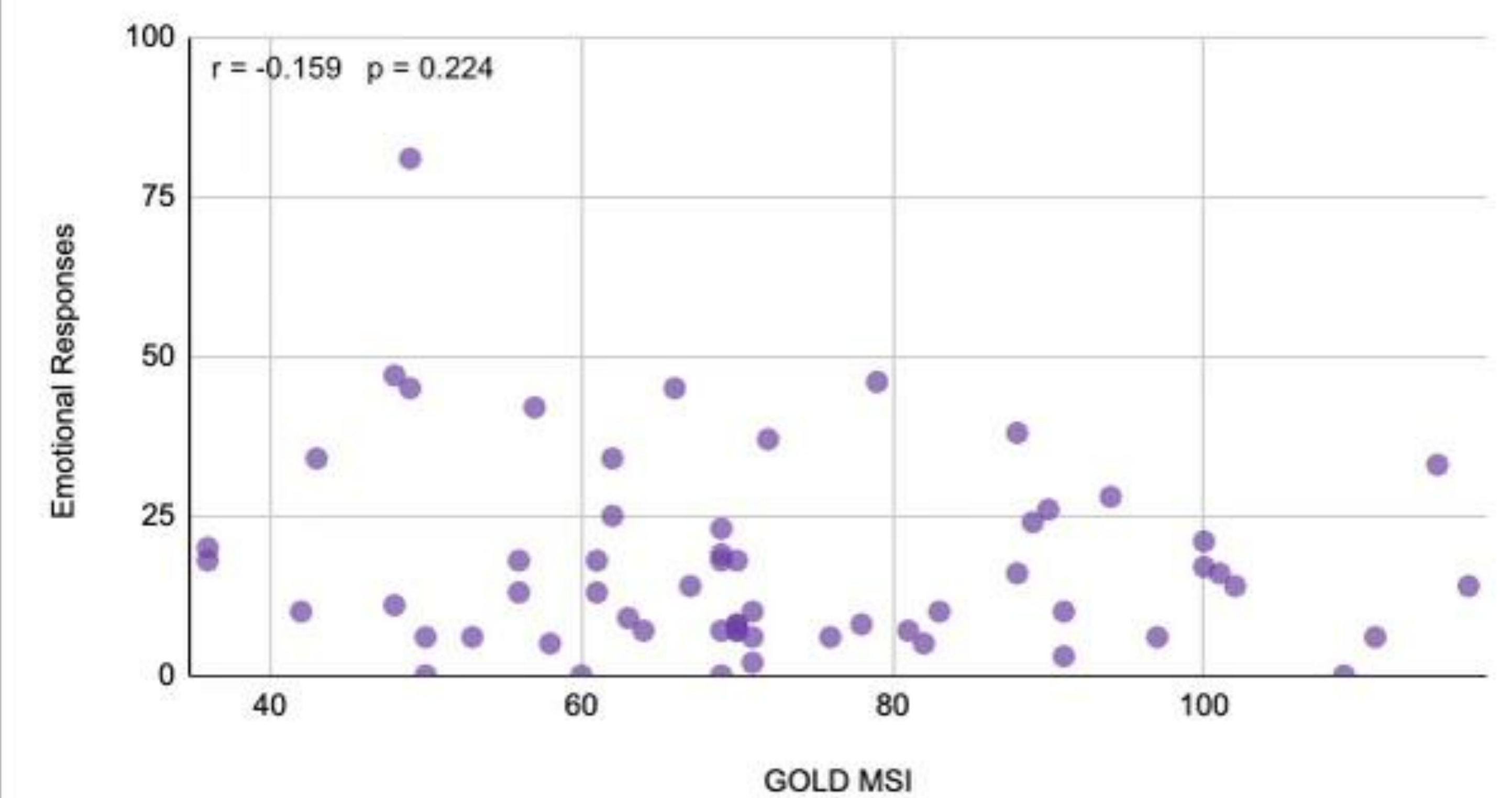
A-MISO-S vs Emotional Responses



Distribution of A-MISO-S Scores



GOLD MSI vs Emotional Responses



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