An Enhanced Dataset for Inferential Emotion Tracking in Humans and Machines
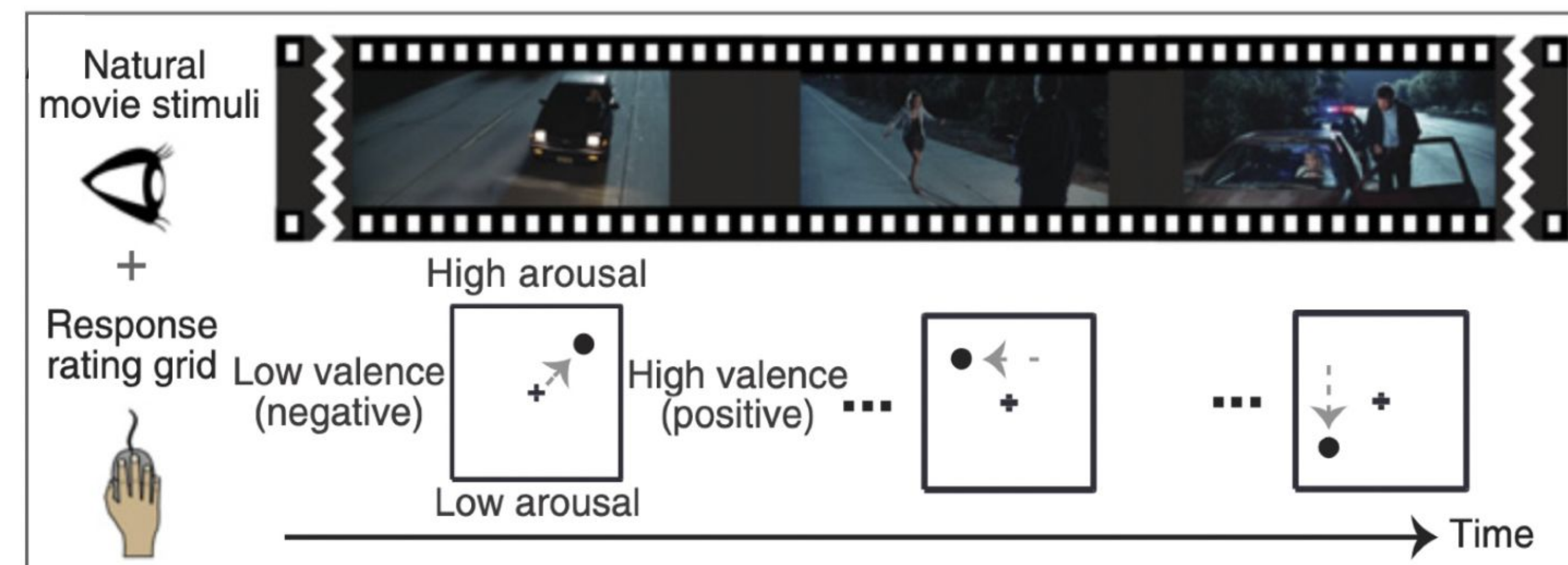
Berkeley — Herbert Wertheim School of Optometry & Vision Science
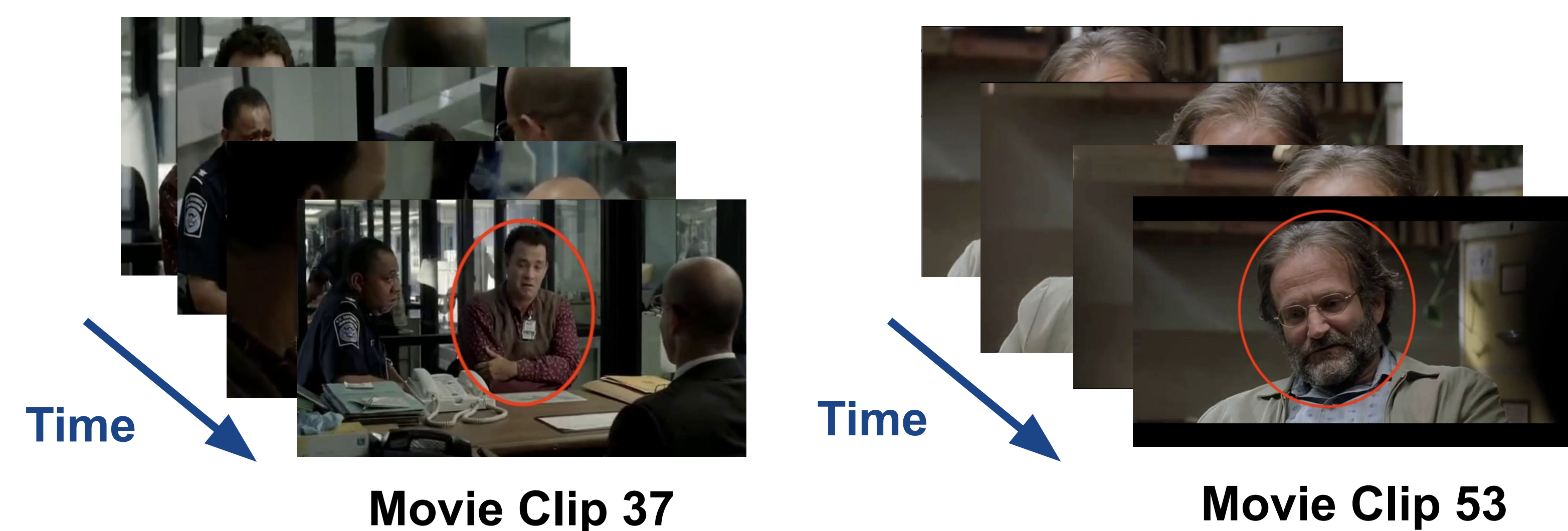
Ethan Shedd[1], Zhihang Ren[1], Jefferson Ortega[1], Ananya Sharma[1], Wish Wang[1], Stella Yu[1,2], David Whitney[1]

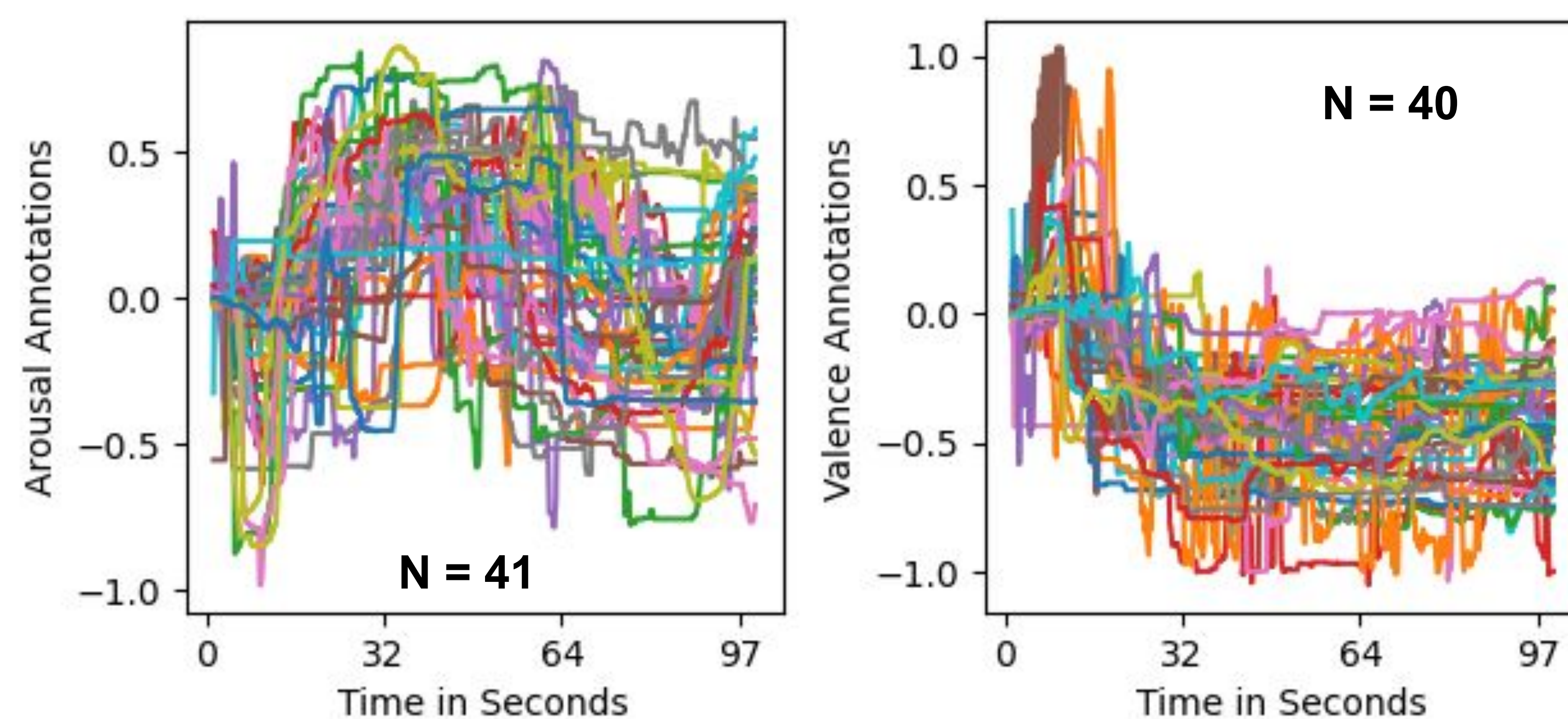[1]University of California, Berkeley, [2]University of Michigan, Ann Arbor

Data Collection Paradigm

Sample Movies
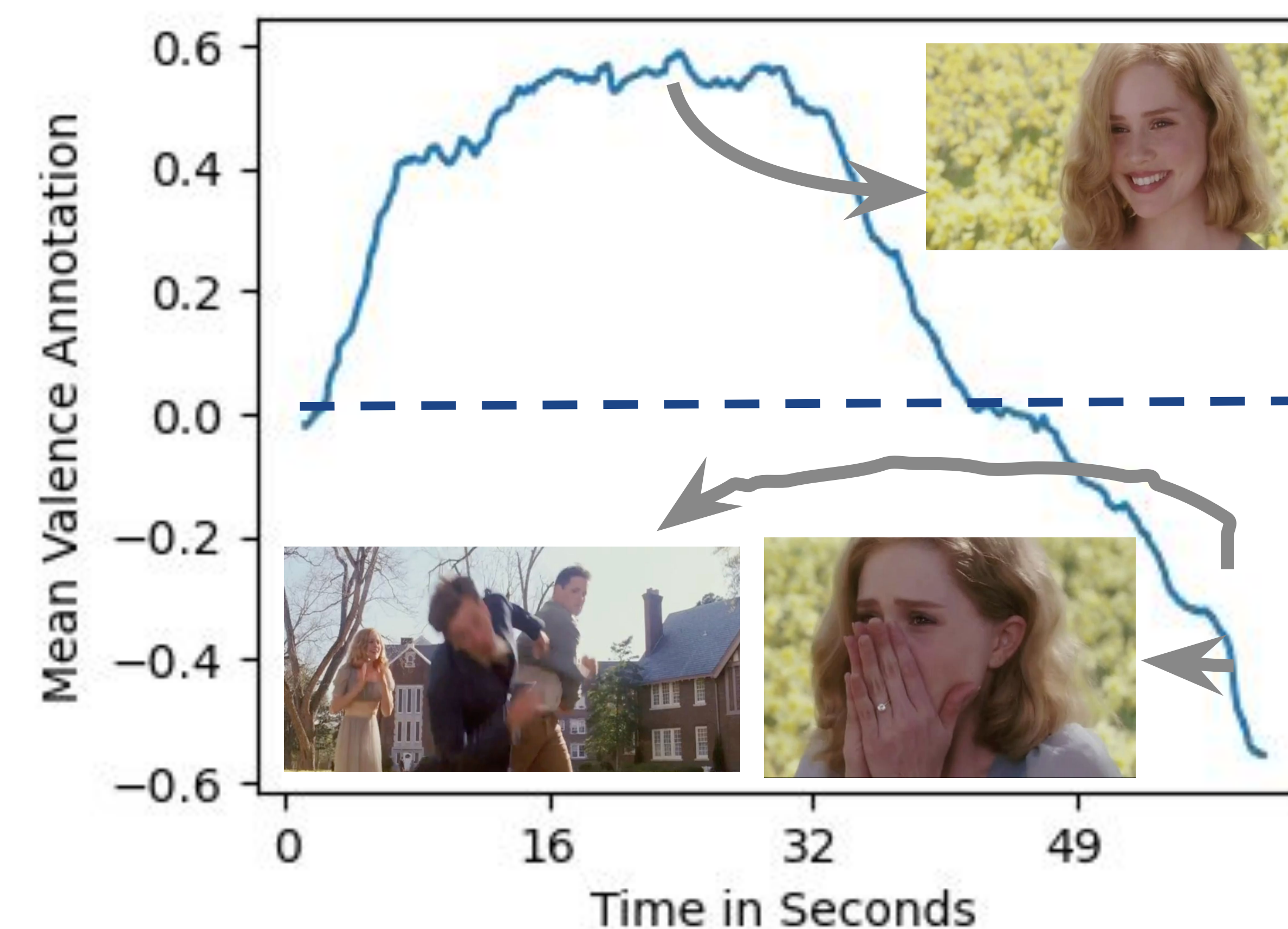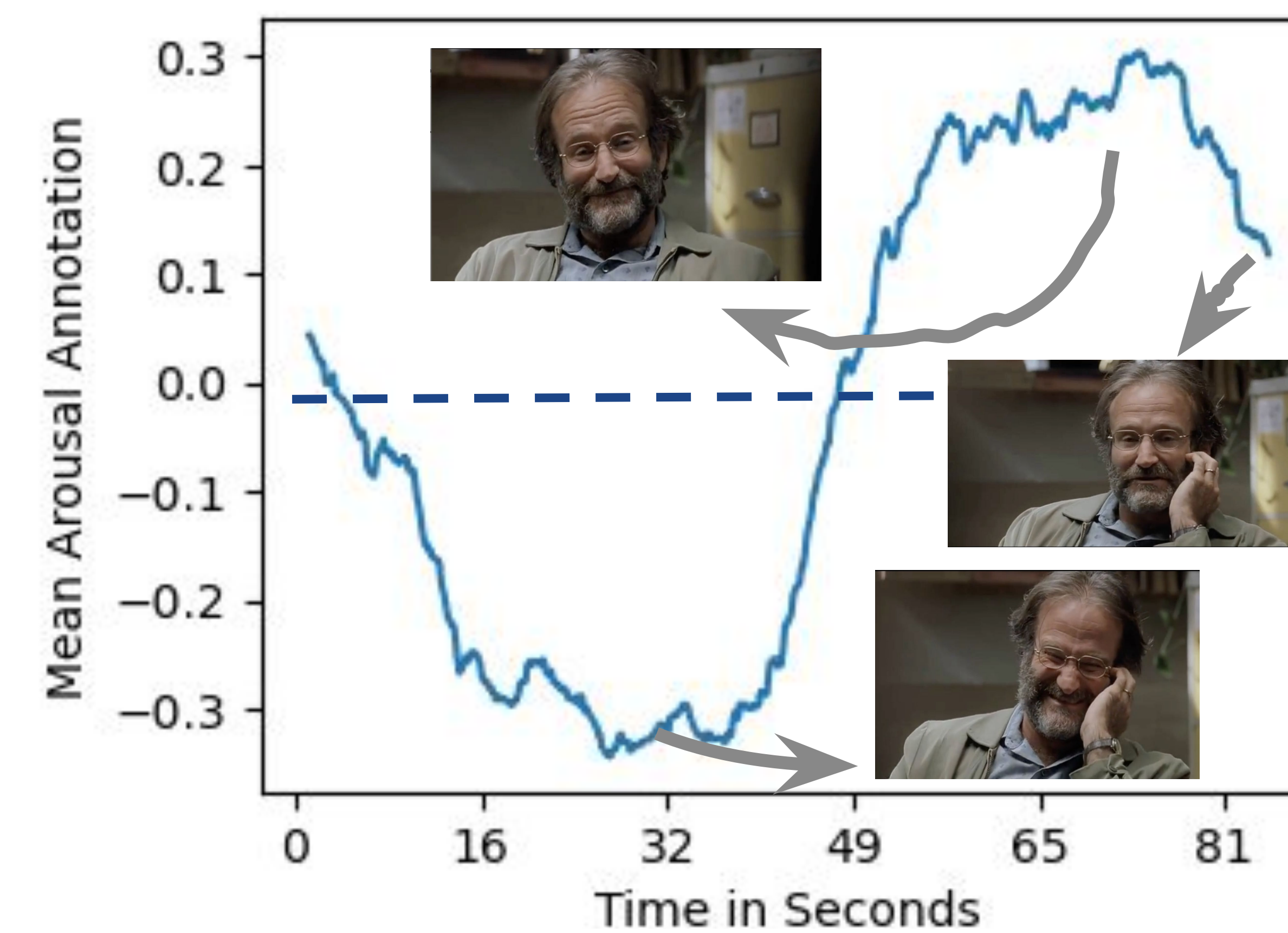

Movie Clip 37

Movie Clip 53
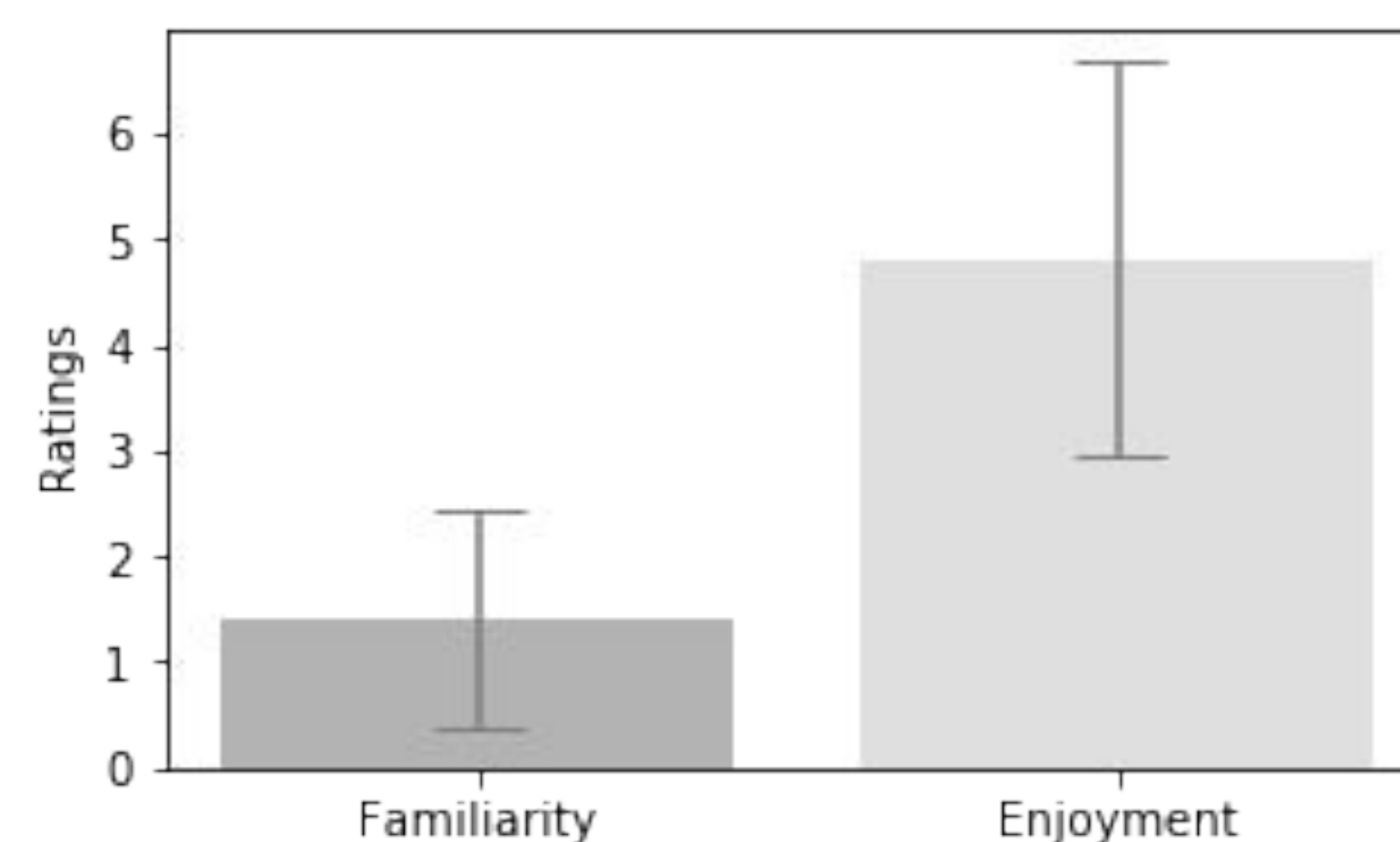
Valence and Arousal Annotation Sample

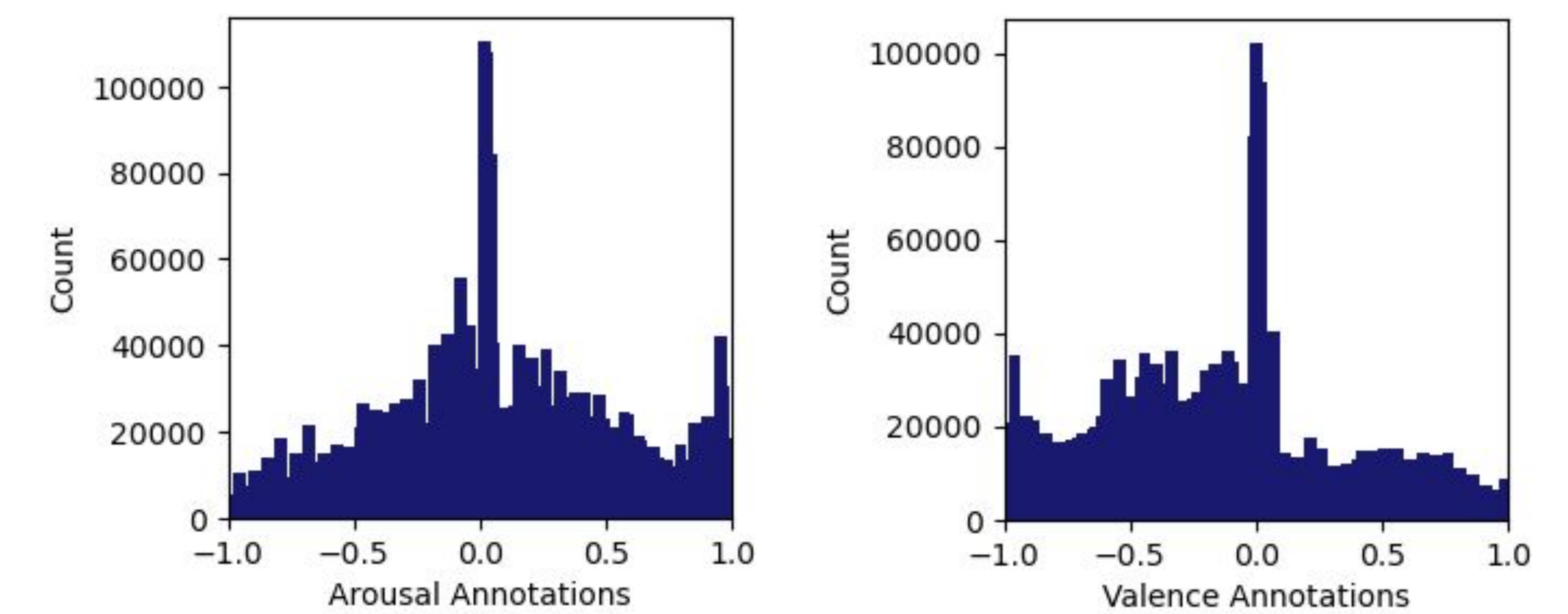Arousal and Valence for Movie Clip 46

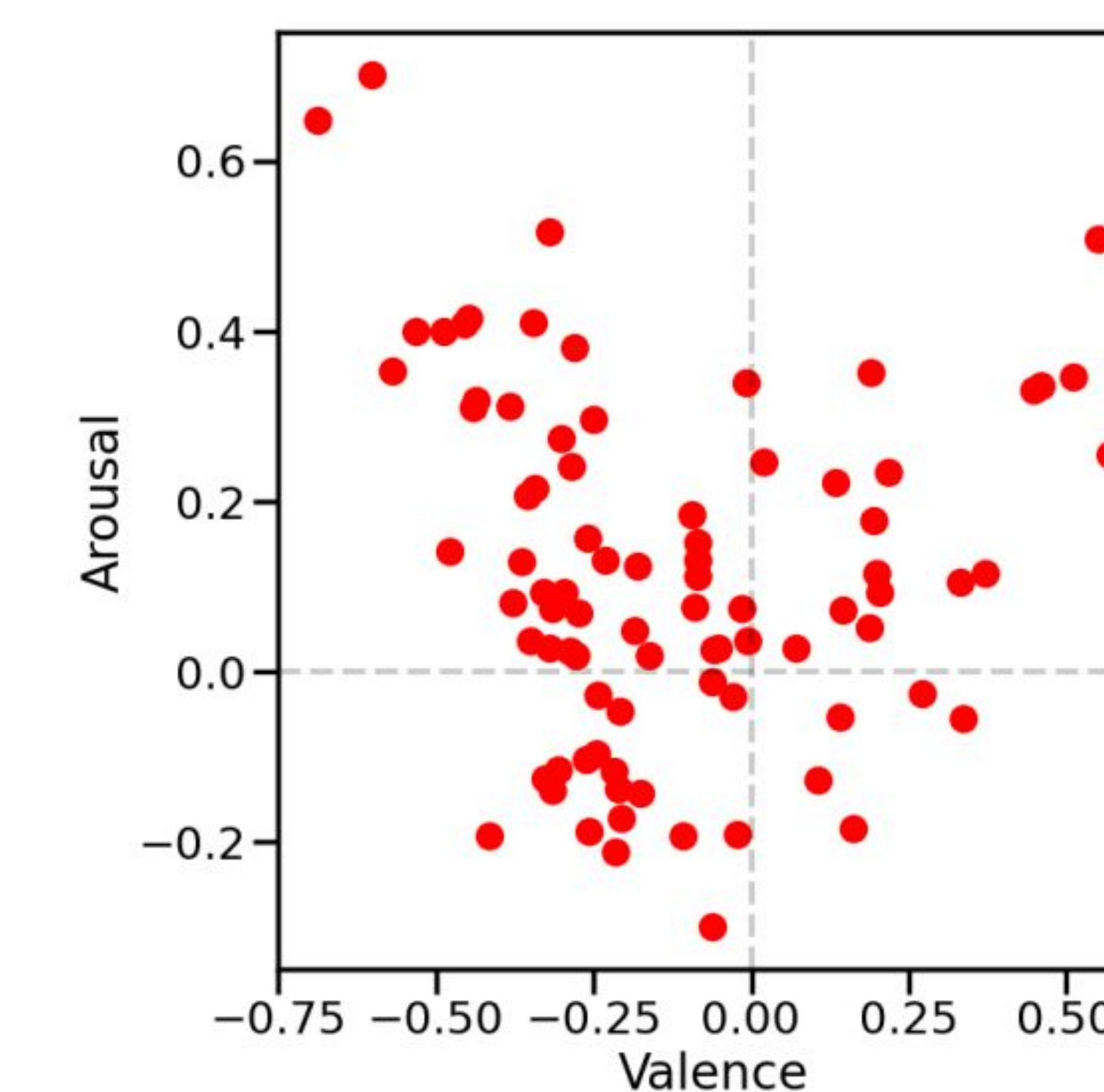## Valence and Arousal Annotations

Familiarity and Enjoyment

Dataset Summary

Histogram of Valence and Arousal Annotations

Affective Space for Video Clips

Attribute	Description
No. of Frames	366159
No. of Videos	98
No. of Subjects	84
Length of Videos	10 s - 2 min 37s
Mean Image Resolution	854 x 480

General Attributes of the Dataset

Conclusion

- We created a novel emotion tracking dataset with around 100 video clips (366159 frames).

- The new dataset provides character and contextual information with ratings of both continuous arousal and valence.

- A large number of annotators (84) were recruited to avoid idiosyncratic biases.

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