



Holistic Ensemble Perception

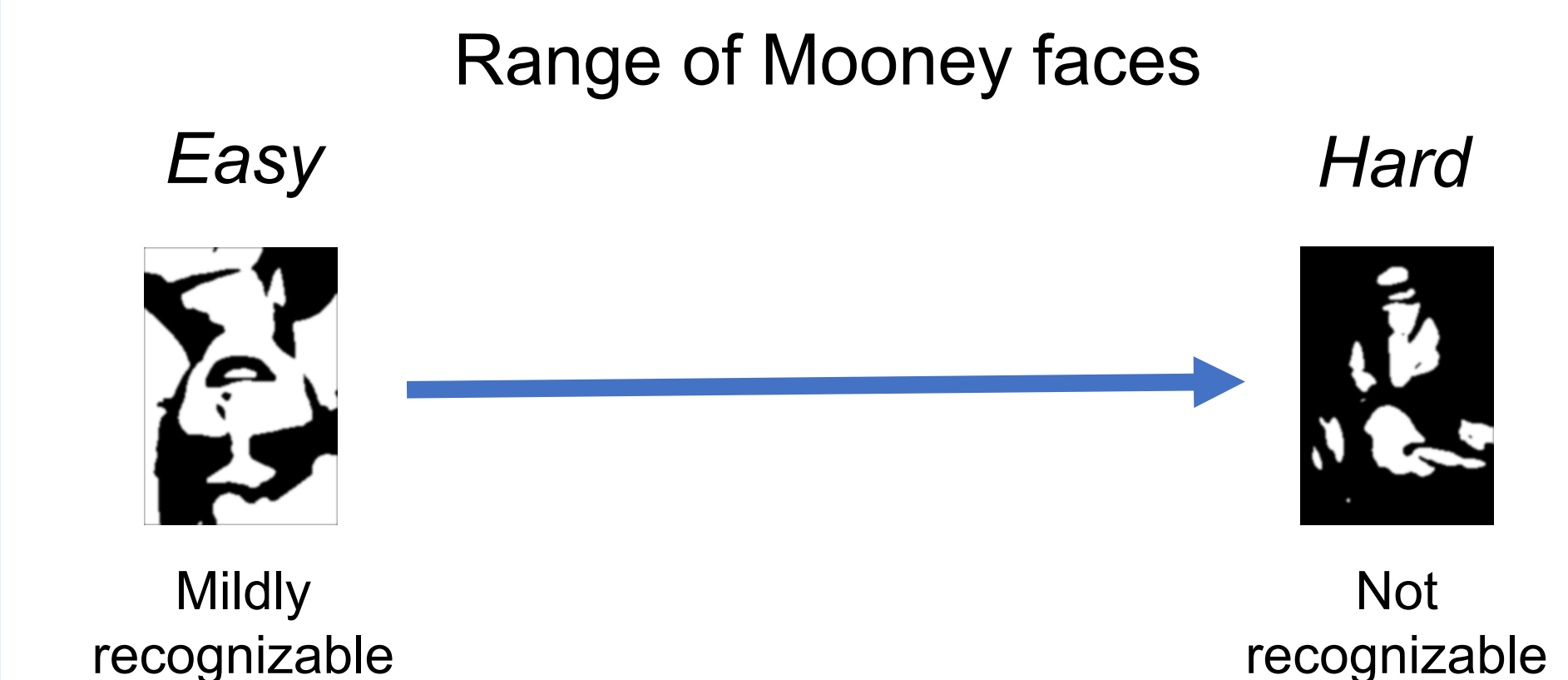
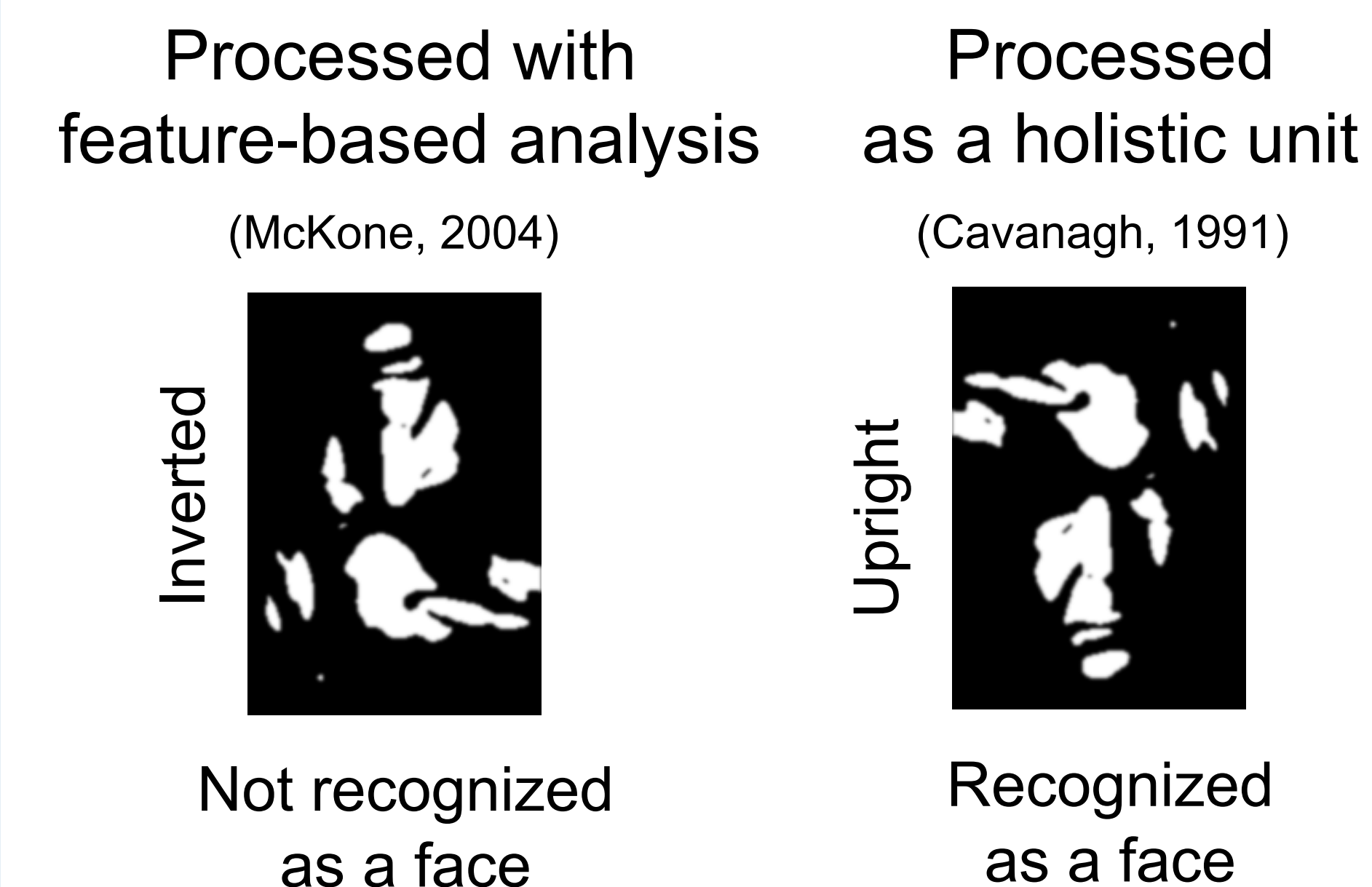
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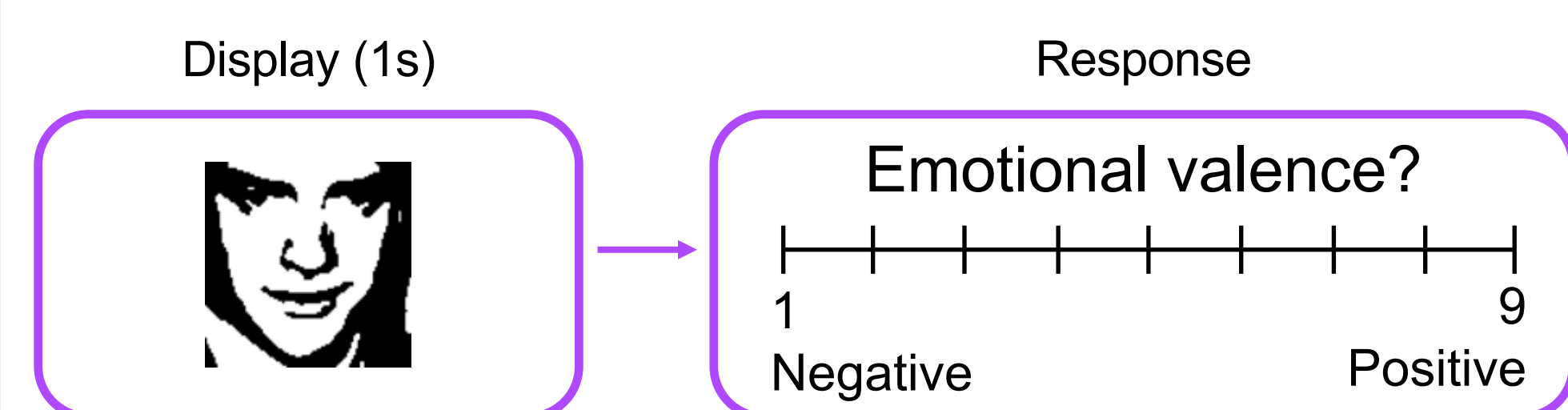
Holistic Ensemble Perception

Can ensemble perception operate on holistic representations?

Mooney Faces



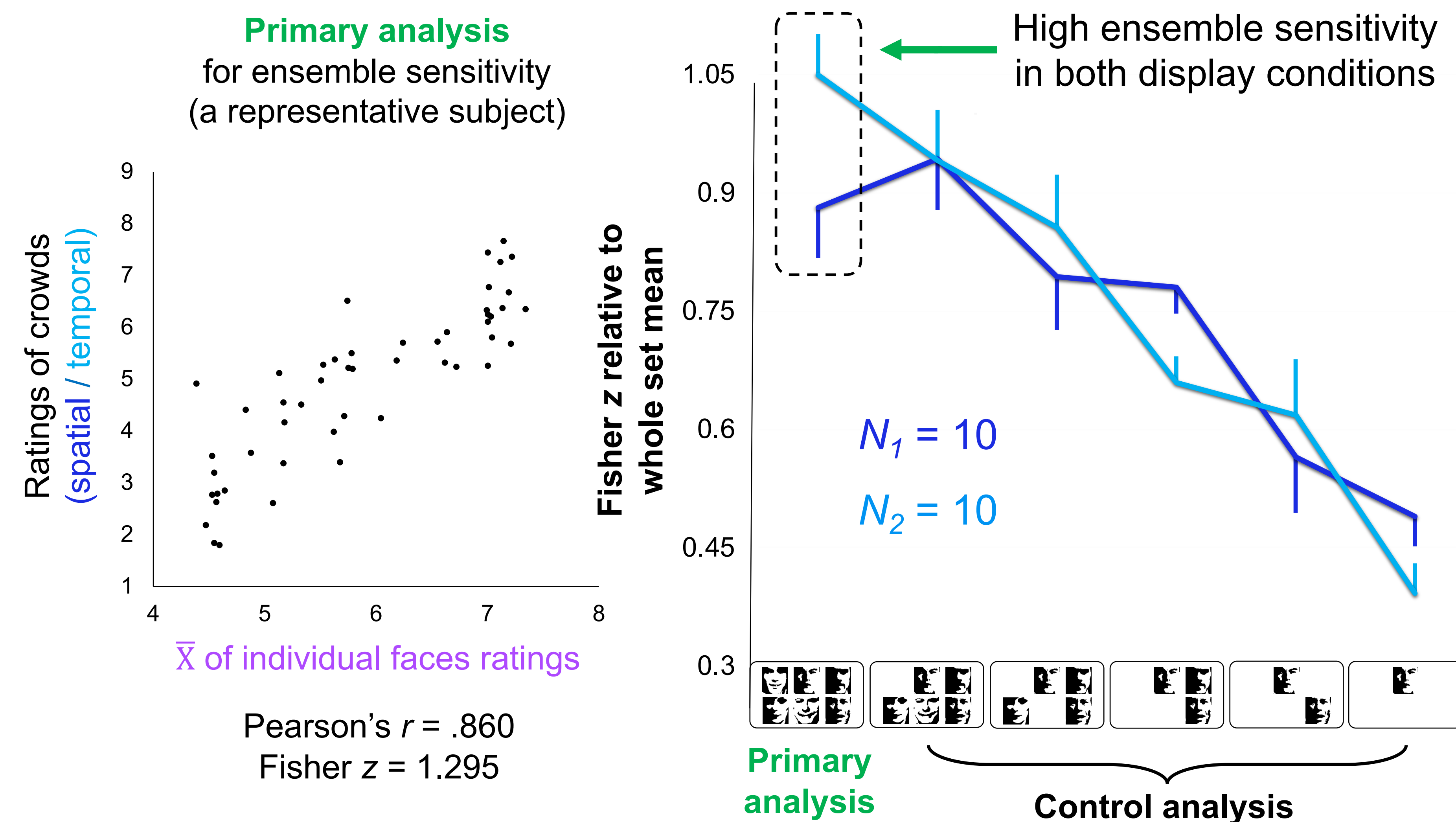
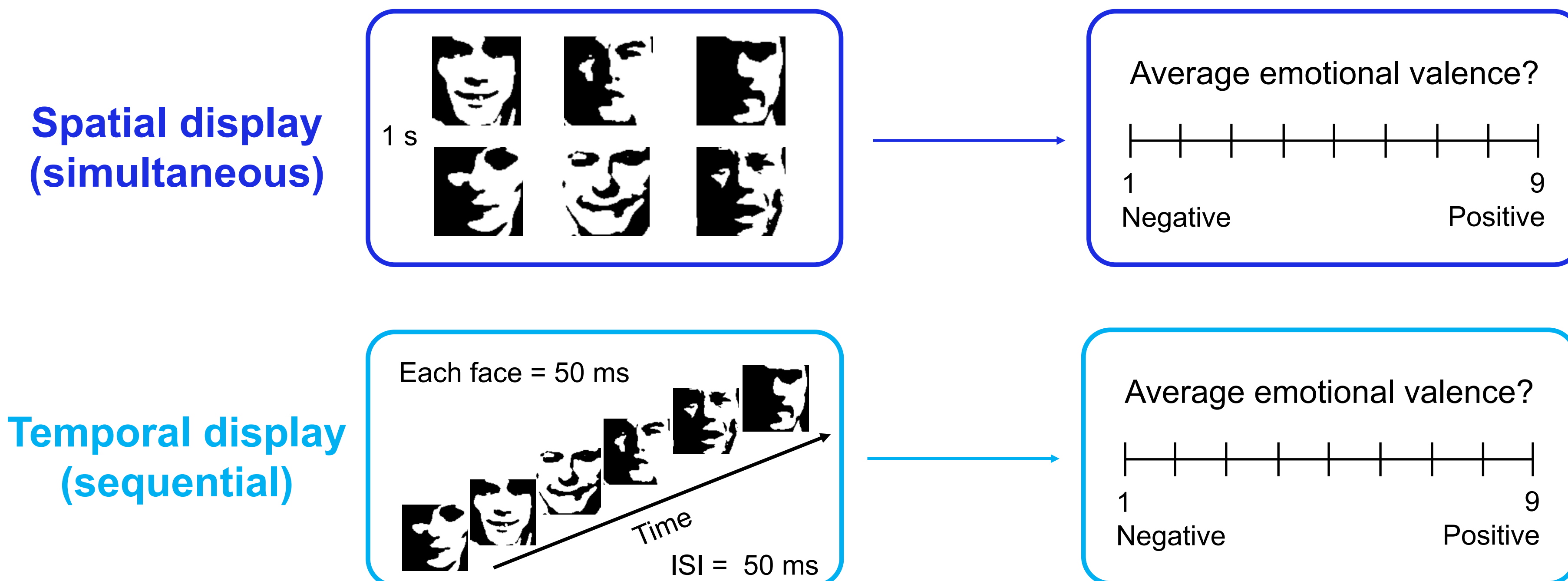
Rating Individual Faces



High inter-rater reliability

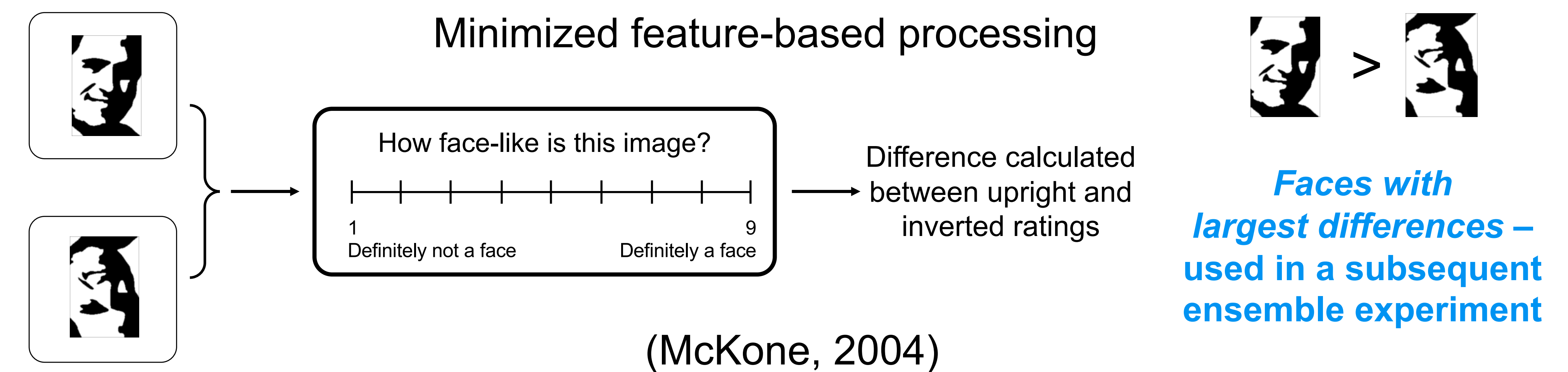
Split-half reliability
bootstrapped Fisher $z = 1.386$

Ensemble Coding EASY Mooney Faces

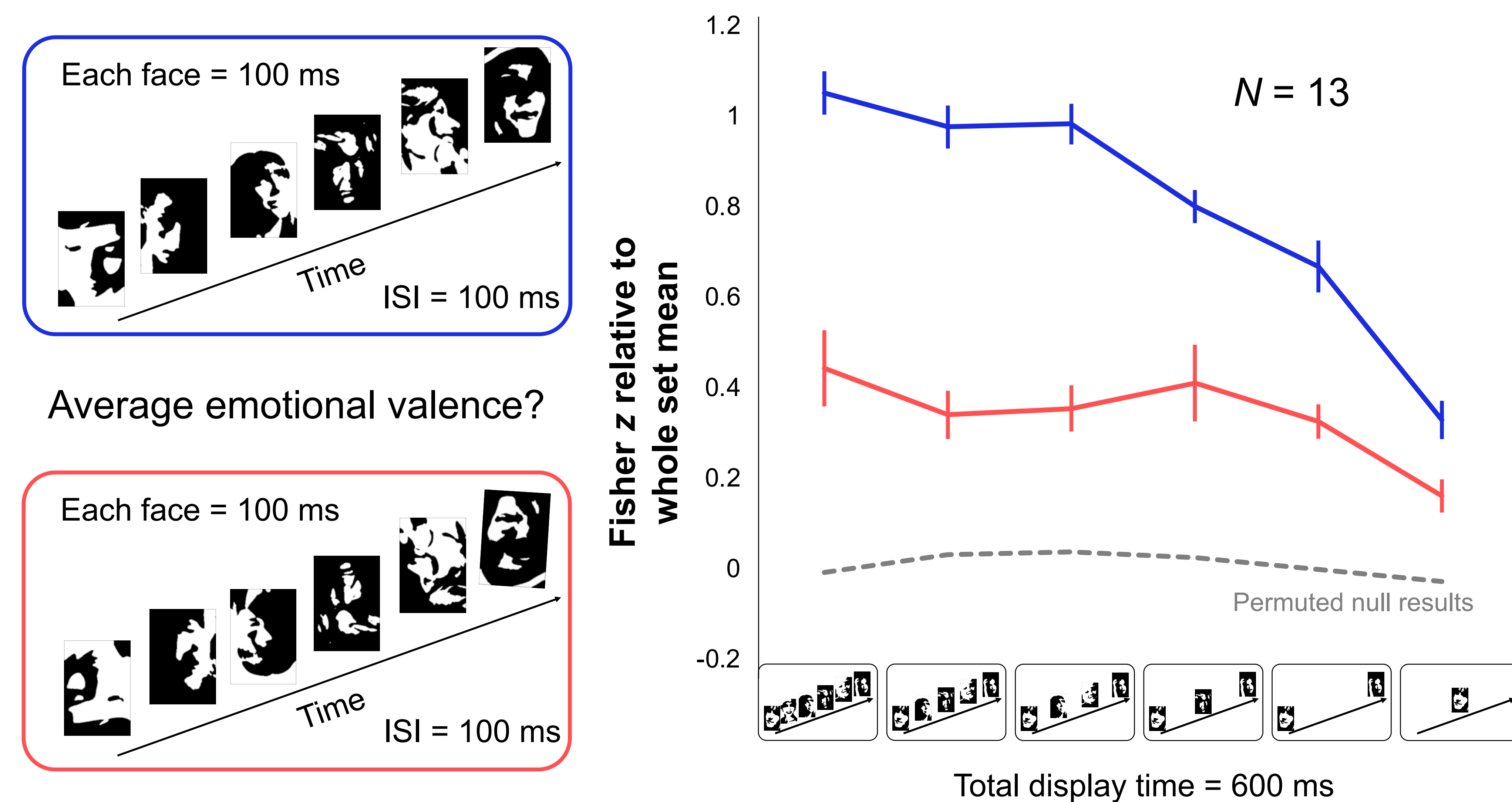


Participants extract holistic ensembles in both spatially and temporally presented crowds

Selecting the Most Challenging Mooney Faces



Ensemble Coding HARD Mooney Faces



Conclusion

Ensemble perception can rely on holistic representations of human faces.

References

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[2] McKone, E. (2004) Isolating the special component of face recognition: peripheral identification and a Mooney face. *Journal of Experimental Psychology: Learning, Memory, & Cognition*, 30(1),181.

[4] Whitney, D., & Yamanashi Leib, A. (2018). Ensemble perception. *Annual review of psychology*, 69, 105-129.