

Supplementary Information

Table S1. Effects for the main experimental contrasts (whole brain analysis without covariate)

Area	xyz coordinates	T value	Size (voxels)	P value
Auditory (Voice > Face)				
Right transverse temporal gyrus	58, -12, 6	17.49	2793	<0.0001*
Left transverse temporal gyrus	-50, -16, 6 -38, -32, 14 -54, -26, 10	14.43 16.84 15.08	3047	<0.0001*
Right cuneus	8, -80, 20	9.97	2578	<0.0001*
Left calcarine cortex	-6, -80, 10	8.99		
Right calcarine cortex	8, -76, 12	8.69		
Left cerebellum	-16, -72, -54 -30, -66, -58	8.10 6.14	50	<0.0001* <0.0001*
Right cerebellum	18, -74, -54	6.22	44	0.001*
Left precentral gyrus	-46, -14, 52	5.68	11	<0.002*
Right supplementary motor cortex	4, -4, 66	5.89	18	0.001*
Visual (Face > Voice)				
Right fusiform gyrus	30, -78, -12 36, -10, -32	18.20 6.39	8505 11	<0.0001* 0.002*
Right thalamus	22, -30, 0	6.31	14	0.001*
Emotion (Fear > Neutral)				
Right superior temporal gyrus (STG)	50, -20, -4 52, -36, 4 62, -48, 8	7.28 7.08 6.30	450	<0.0001*
Left STG	-50, -50, 12 -62, -38, 6 -64, -44, 12	6.45 6.30 6.04	152	<0.0001*
Right precentral gyrus	52, 4, 46	5.70	13	0.001*
Left amygdala	-28, -4, -20	4.84	88	<0.001**

Right amygdala	26, -2, -20	3.85	45	0.007**
Neutral (Neutral > Fear)				
No clusters survived				
VoiceFear > VoiceNeu				
Left STG	-58, -24, 2	7.04	353	<0.0001*
	-46, -18, 2	6.57		
	-64, -36, 4	6.42		
Right STG	52, -20, -4	6.22	281	<0.0001*
	66, -18, 8	6.15		
	60, -24, 2	6.13		
Left amygdala	-26, -6, -24	3.80	68	0.007**
FaceFear > FaceNeu				
Left fusiform gyrus	-26, -76, -14	4.03	57	0.035**
	44, -42, -22	4.36	57	0.013**
Right fusiform gyrus	44, -42, -16	4.17		0.024**
Right Amygdala	26, -2, -20	3.16	17	0.046**
Left Amygdala	-26, -6, -20	3.33	34	0.028**

Note: *Indicates corrected for the whole brain volume ($p < 0.05$ FWE-corrected). ** Within the anatomically defined amygdala, voxels were considered significant at $p < 0.05$ FWE-corrected (peak level, small-volume correction) at a whole brain threshold of $p < 0.01$.

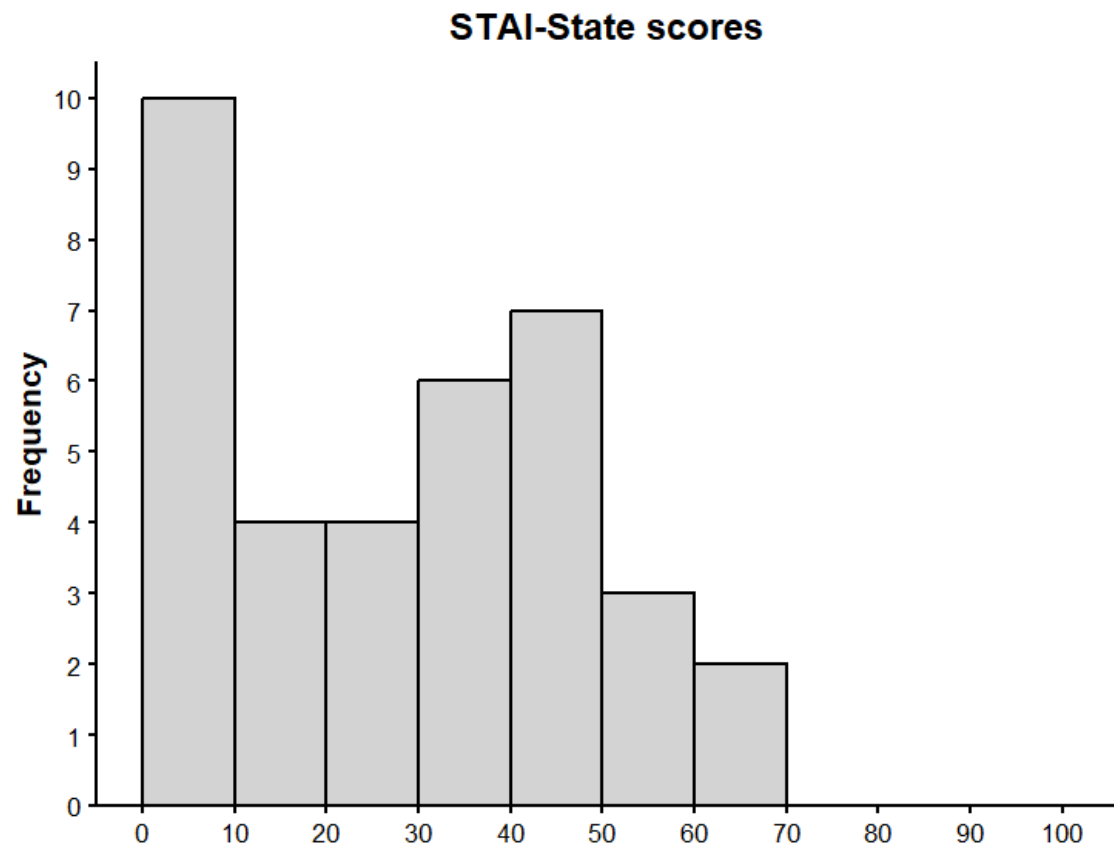


Figure S1. Distribution of STAI-State percentile scores across participants. Histogram showing the distribution of State-Trait Anxiety Inventory (STAI-State) percentile scores for the study sample (N = 36).

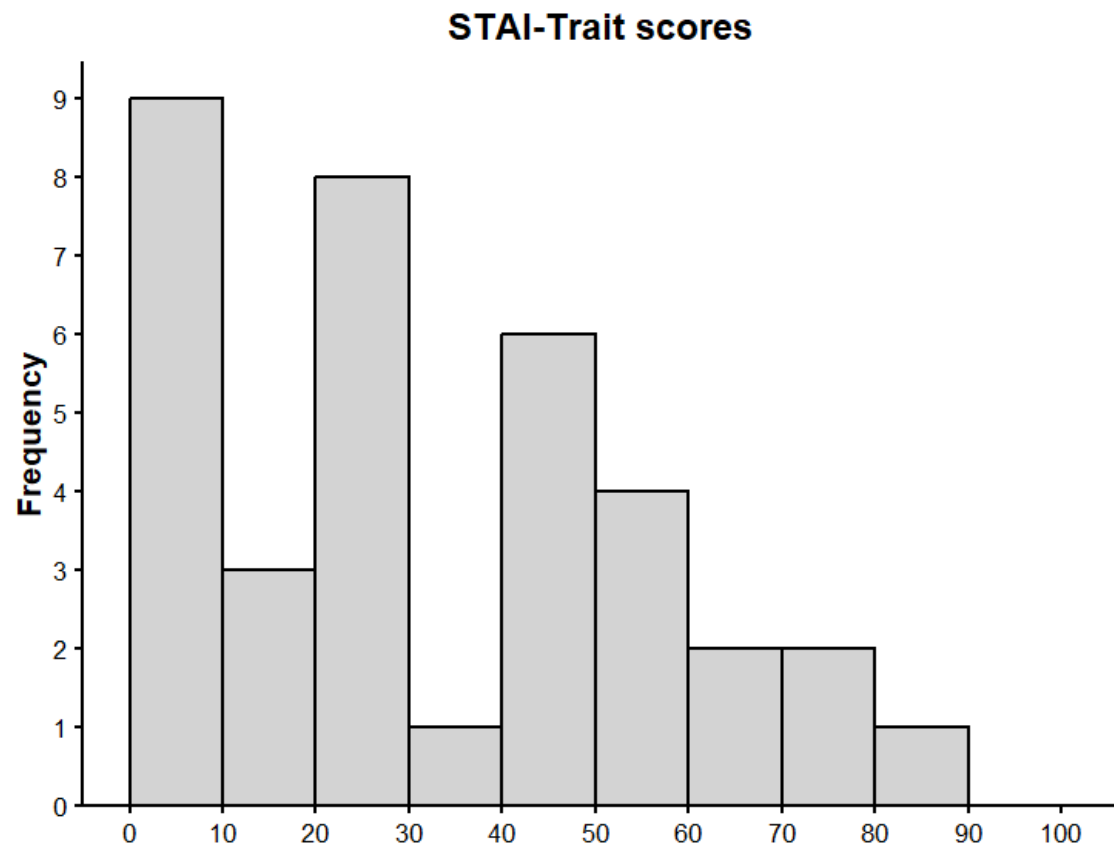


Figure S2. Distribution of STAI-Trait percentile scores across participants. Histogram showing the distribution of State-Trait Anxiety Inventory (STAI-Trait) percentile scores for the study sample (N = 36).

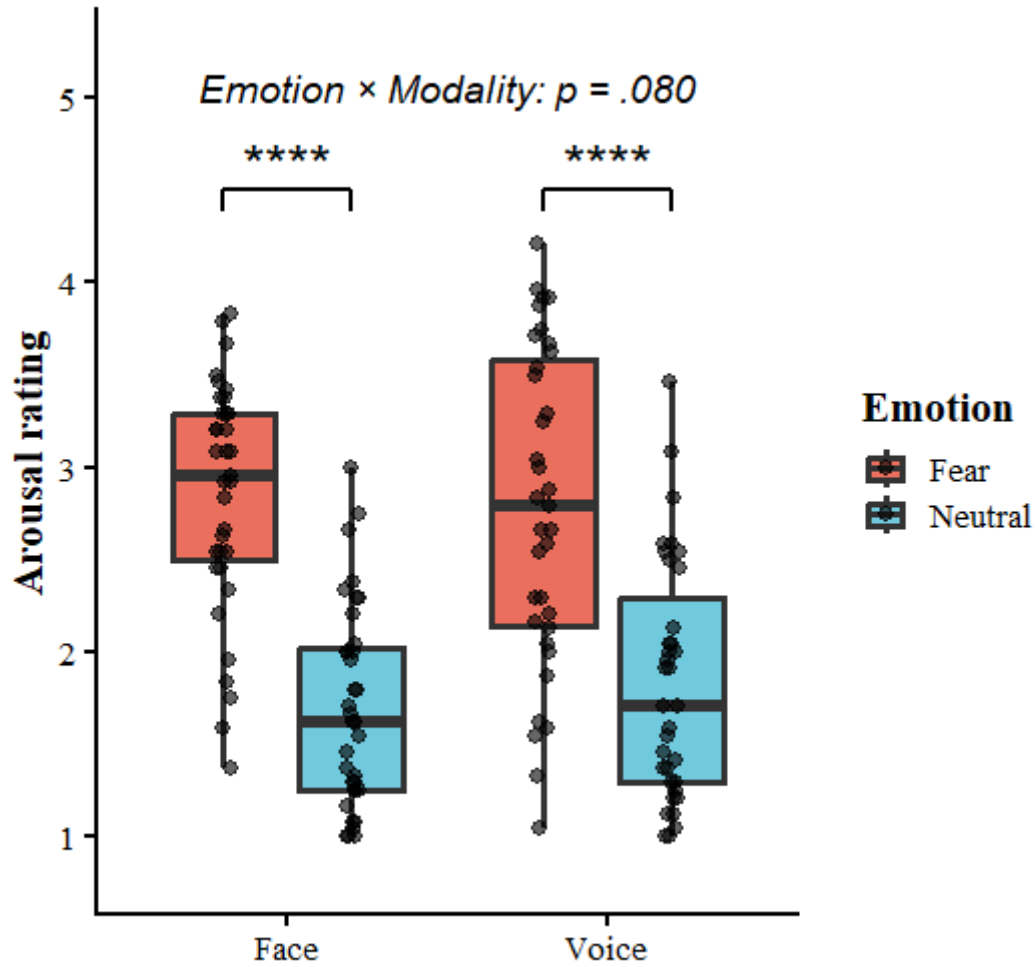


Figure S3. Arousal ratings by modality and emotion. Boxplots showing participants' arousal ratings for fearful and neutral facial and vocal stimuli. Boxes represent the interquartile range (IQR), the horizontal line indicates the median, whiskers extend to $1.5 \times \text{IQR}$, and individual points represent participants' mean ratings.

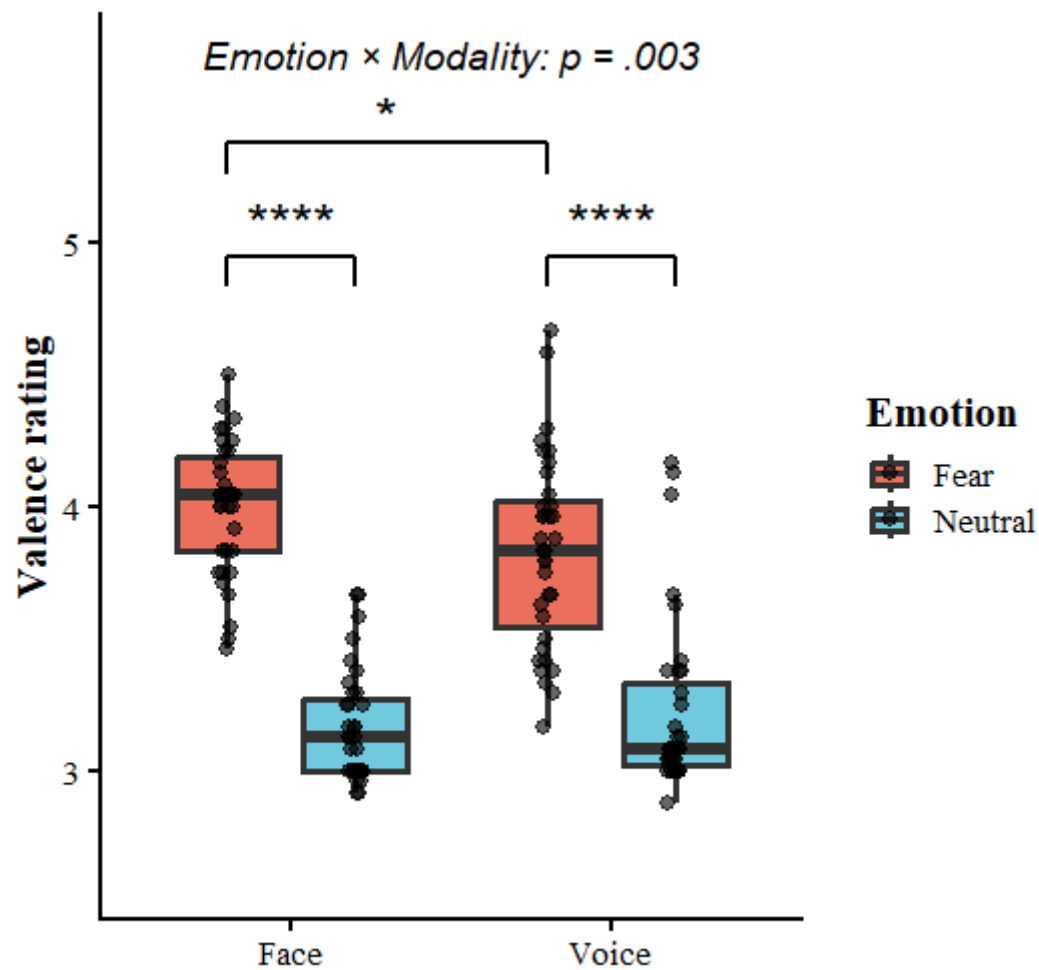


Figure S4. Valence ratings by modality and emotion. Boxplots showing participants' valence ratings for fearful and neutral facial and vocal stimuli. Boxes represent the interquartile range (IQR), the horizontal line indicates the median, whiskers extend to $1.5 \times \text{IQR}$, and individual points represent participants' mean ratings.