

Simultaneously Presented Facial and Contextual Information Influences Observers' Facial Expressions and Self-Reports of Emotion Dataset Overview:

Each row represents one observation (N) per participant (42) from our experiment, where participants viewed affective scenes in two conditions (face-context and context-only) while their zygomatic, corrugator and orbicularis muscle responses were recorded, and the participants rated the valence and arousal of the images. ***Please Note*** that due to equipment communication error with the PC, some participants are missing 1 or 2 trials from their psychophysiological data (19 missing observations from all participants) out of the 200 trials each participant completed (8400 total observations across participants). The behavioural data has missing observations due to participants not providing their ratings (Valence data: 84 missing observations out of 8400 total observations across participants; Arousal data: 55 missing observations out of 8400 total observations across participants).

An explanation of each variable in the dataset is provided below, and if you have any questions, please feel free to contact the authors:

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Participant_Number – Each participant was assigned a unique number to identify them. Please note there is no participant number 2 as it was excluded from all analyses due to equipment malfunction.

Gender – Participants' self-reported gender.

Participant_Age – Participants' self-reported age.

Image_Set – The number assigned to each of the images in the experiment (*Face-context images*: 100-119: neutral images; 200-219: happy images; 300-319: erotic images; 400-419: mutilation images; 500-519: threat images; *Context-only images*: 1000-1019: neutral images; 2000-2019: happy images; 3000-3019: erotic images; 4000-4019: mutilation images; 5000-5019: threat images).

Image_Category – The category of each of the images presented (Image categories: Erotic, Happy, Threat, Mutilation, Neutral)

Condition – Experimental condition in which data was collected (Face-context and Context-only)

Response – Measure of participants' response to each of the images

Measure – The type of response measured (Options: corrugator_EMG, zygomatic_EMG, orbicularis_EMG, valence_rating, arousal_rating)

Outlier – Indicates whether the response for a given trial was identified as an outlier or not (Options: Yes – the data point was identified as an outlier; No – the data point was not identified as an outlier)

Database_Image_Number – The number/names of the images as stored in the official databases

Image_Source – The source of each image (IAPS: International Affective Picture System; NAPS: Nencki Affective Picture System)

Trial_Number – The trial number within each run/condition (Range: 1-100)