




October 5, 2020

Dataset

Open Access

The Variably Intense Vocalizations of Affect and Emotion Corpus (VIVAE)

 (<https://orcid.org/0000-0003-2360-9428>) Holz, Natalie;  (<https://orcid.org/0000-0001-9245-0743>) Larrouy-Maestri, Pauline;  (<https://orcid.org/0000-0003-0184-163X>) Poeppel, David

Summary

The Variably Intense Vocalizations of Affect and Emotion Corpus (VIVAE) consists of a set of human non-speech emotion vocalizations. The **full set**, comprising 1085 audio files, features eleven speakers expressing three positive (achievement/ triumph, sexual pleasure, and surprise) and three negative (anger, fear, physical pain) affective states, each parametrically varied from low to peak emotion intensity. The smaller **core set** of 480 files represents a fully crossed subsample of the full set (6 emotions x 4 intensities x 10 speakers x 2 items) selected based on judged authenticity.

Construction and validation

Recordings took place at the Berklee College of Music in Boston MA, USA. The VIVAE full set contains 1085 files (i.e., all recordings that passed an acoustic quality check and were free of linguistic content). The core set was selected based on authenticity judgements collected throughout the technical validation of the dataset. The technical validation comprises data from 30 individuals providing emotion, intensity, and authenticity judgements. Details on the construction and perceptual evaluation will be shared in an academic paper. Please contact the authors for any questions at natalie.holz@ae.mpg.de (<mailto:natalie.holz@ae.mpg.de>).

File summary

The recordings are digitized at a 44.1-kHz sampling rate and 16-bit resolution.

Each of the 1085 VIVAE files has a unique filename following the file naming convention: [Speaker_Emotion_Intensity_Item-ID.wav]. The filename consists of a 4-part identifier (e.g., S04_surprise_peak_10.wav) defining the stimulus characteristics:

Filename identifiers

- Speaker (S01 to S11).
- Emotion (achievement, anger, fear, pain, pleasure, and surprise).
- Emotional intensity (low, moderate, strong, peak).
- Item-ID (unique integer identifier within speaker x emotion x intensity conditions)

Folder structure

- Full set: all 1085 VIVAE files
- Core set: selected 480 VIVAE files

Citing VIVAE

Please cite the VIVAE if it is used in your work in any form.

License information

Preview

VIVAE.zip

The previewer is not showing all the files

VIVAE

.DS_Store6.1 kB

core_set

full_set

S01_achievement_moderate_01.wav102.1 kB

S01_achievement_moderate_02.wav53.0 kB

S01_achievement_peak_01.wav72.0 kB

S01_achievement_peak_02.wav45.0 kB

S01_achievement_peak_03.wav91.7 kB

S01_achievement_strong_01.wav48.0 kB

S01_achievement_strong_03.wav60.3 kB

S01_achievement_strong_05.wav99.1 kB

S01_achievement_strong_06.wav47.3 kB

S01_anger_low_041.wav51.3 kB

S01_anger_moderate_02.wav63.4 kB

S01_anger_moderate_03.wav74.1 kB

S01_anger_moderate_05.wav68.0 kB

Files (93.5 MB)

Name	Size	
VIVAE.zip (/record/4066235/files/VIVAE.zip?download=1)	93.5 MB	<div>PreviewDownload (/record/4066235/files/VIVAE.zip?download=1)</div>
md5:62383077641fa90f5545e38d7f268e02		

meta

(https://l

Citations (https://help.zenodo.org/#citations) 0

Show only:

Literature (0)

Dataset (0)

Software (0)

Unknown (0)

Citations to this version

https://zenodo.org/record/4066235

2/5



No citations.

308

62

views

downloads


[See more details...](#)

Indexed in

<https://explore.openaire.eu/search/dataset?datasetId=r37b0ad08687::d9149ea534576bfa31431b2e2b8557ff>**Publication date:**

October 5, 2020

DOI:DOI [10.5281/zenodo.4066235](https://doi.org/10.5281/zenodo.4066235)**Keyword(s):**[emotion](/search?q=keywords%3A%22emotion%22) [affect](/search?q=keywords%3A%22affect%22)[emotion expression](/search?q=keywords%3A%22emotion+expression%22) [emotion perception](/search?q=keywords%3A%22emotion+perception%22)[emotion database](/search?q=keywords%3A%22emotion+database%22)[emotion intensity](/search?q=keywords%3A%22emotion+intensity%22)[nonverbal communication](/search?q=keywords%3A%22nonverbal+communication%22)[voice](/search?q=keywords%3A%22voice%22)[vocalization](/search?q=keywords%3A%22vocalization%22) [VIVAE](/search?q=keywords%3A%22VIVAE%22)[authenticity](/search?q=keywords%3A%22authenticity%22)**License (for files):**

 Creative Commons Attribution Non Commercial 4.0 International (<https://creativecommons.org/licenses/by-nc/4.0/legalcode>)

Versions

Version 1 (/record/4066235) 10.5281/zenodo.4066235

Oct 5, 2020

Cite all versions? You can cite all versions by using the DOI 10.5281/zenodo.4066234 (<https://doi.org/10.5281/zenodo.4066234>). This DOI represents all versions, and will always resolve to the latest one. Read more (<http://help.zenodo.org/#versioning>).


Share


Cite as

Holz, Natalie, Larrouy-Maestri, Pauline, & Poeppel, David. (2020). The Variably Intense Vocalizations of Affect and Emotion Corpus (VIVAE) [Data set]. Zenodo. <http://doi.org/10.5281/zenodo.4066235>

Start typing a citation style...

Export

BibTeX (/record/4066235/export/hx) CSL (/record/4066235/export/csl)
DataCite (/record/4066235/export/dcitem4) Dublin Core (/record/4066235/export/xd)
DCAT (/record/4066235/export/dcat) JSON (/record/4066235/export/json)
JSON-LD (/record/4066235/export/schemaorg_jsonld) GeoJSON (/record/4066235/export/geojson)
MARCXML (/record/4066235/export/xm)
 Mendeley (<https://www.mendeley.com/import/?url=https://zenodo.org/record/4066235>)

About	Blog	Help	Developers	Contribute
About (http://about.zenodo.org)	Blog (http://blog.zenodo.org)	FAQ (http://help.zenodo.org)	REST API (http://developers.zenodo.org)	 GitHub (https://github.com/zenodo/zenodo)
Policies (http://about.zenodo.org/policies)		Features (http://help.zenodo.org/features)	OAI-PMH (http://developers.zenodo.org/oai-pmh)	 Donate (https://zenodo.org/donate)
Infrastructure (http://about.zenodo.org/infrastructure)		Support (/support)		
Principles (http://about.zenodo.org/principles)				
Contact (http://about.zenodo.org/contact)				

Funded by

(<https://home.cern>)



(<https://www.openaire.eu>)

(<https://ec.europa.eu/programmes/horizon2020/>)

Status (<https://status.zenodo.org/>) Privacy policy (<http://about.zenodo.org/privacy-policy>)

Terms of Use (<http://about.zenodo.org/terms>) Support (</support>)



(<http://creativecommons.org/licenses/by/4.0/>) Powered by CERN Data Centre
(<https://home.cern/science/computing/data-centre>) & Invenio (<http://inveniosoftware.org>).