Datasets	Aplicación en el proyecto	Tamaño/características	Labels	Challenges/papers...
LABELS COMO AROUSAL, VALENCE O SIMILAR...				
SEMAINE (inglés) 'induced'	Se analiza la voz del que habla	6 horas 30 min. 20 participantes 2-8 annotators 141 audios x2 (1 actuado y otro real, pero sólo etiquetado el real)	Múltiples etiquetas, entre ellas, arousal y valence	AVEC 2011 (http://sspnet.eu/avec2011/) AVEC 2012
RECOLA (francés) 'spontaneous'	Se analiza la voz del que habla	3horas50min 46 participantes 6 annotators audio+EGC+EDA annemo sw para etiquetado	6 annotators measured emotion continuously on two dimensions: arousal and valence, as well as social behavior labels on five dimensions. The corpus allowed us to take self-report measures of users during task completion. → conversaciones por Skype con un compañero y se evaluaban a sí mismos y al compi Info extra de TCI and NASA-TLX	AVEC 2015 AVEC 2016
Vera am Mittag **German** Audio-Visual **Spontaneous** Speech Database **(VAM)** **'spontaneous'**	Se analiza la voz del que habla	12 horas de gente grabada de un programa 20 participantes 17 annotators 946 spontaneous and emotionally coloured utterances from 47 guests of the talk show	valence (negative vs. positive), activation (calm vs. excited) and dominance (weak vs. strong). (Etiquetados sólo algunos, no todos según parece)	https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3664314/ http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=7080443 https://mediatum.ub.tum.de/doc/980064/file.pdf http://ieeexplore.ie

				ee.org/stamp/stamp.jsp?arnumber=7000745
HUMAINE SAL (parte del HUMAINE)	Se analiza la voz/estado del que habla	*enviado correo para HUMAINE, para SAL database en CD	four annotators with respect to valence and activation using a system based on FEELtrace [-1 +1]	
BELFAST	Se analiza la voz/estado del que habla	239 clips, 209 from TV Recordings, 30 from interview recordings (yo sólo tengo acceso a unos 20)	Activation, evaluation (FEELTRACE sw para etiquetado)	
SUSA Corpus (Speech Under Simulated and Actual Stress)	Para speech recognition → lo mismo no labels de emotions	**$0.00** 1999 Member **$500.00** Non-Member **$250.00** Reduced-License **$0.00** Extra Copy	medium stress, and high stress, and screaming. ??	https://catalog.ldc.upenn.edu/LDC99S78 ¿Somos miembros del Linguistic Data Consortium?
MAHNOB-HCI (Multimodal Database for Affect Recognition and Implicit Tagging) (https://mahnob-db.eu/hci-tagging/)	Reacción del usuario a vídeos externos/imágenes	Recorded Signals: 6 face and body cameras (60fps), head-worn microphone (44.1kHz), eye gaze tracker (60Hz), electrocardiogram (ECG), electroencephalogram (32 channels), skin temperature and respiration amplitude (all biosignals at 256Hz)	Subjective scores: arousal, valence, dominance and predictability (both on a scale from 1 to 9)	https://medium.com/@hcigamesgroup/biosignal-datasets-for-emotion-recognition-d3a8c61ef781
EMDB (Emotional Movie Database)	Reacción del usuario a vídeos externos/imágenes	Recorded Signals: skin conductance level (SCL) and heart rate (HR)	Subjective scores: arousal, valence and dominance (all on a scale from 1 to 9)	
DEAP (Database	Reacción del	**Recorded**	**Subjective**	

for Emotion Analysis using Physiological Signals)	usuario a vídeos externos/imágenes	**Signals:**electroencephalogram (32 channels at 512Hz), skin conductance level (SCL), respiration amplitude, skin temperature, electrocardiogram, blood volume by plethysmograph, electromyograms of Zygomaticus and Trapezius muscles (EMGs), electrooculogram (EOG), face video (for 22 participants)	**scores:**arousal, valence, like/dislike, dominance (all on a scale from 1 to 9), familiarity (on a scale from 1 to 5)	
LABEL COMO EMOCIÓN				
Savee	Se analiza la voz del que habla	480 audios de 4 speakers	• fear • angry • neutral • disgust • happiness • surprise • sadness	http://kahlan.eps.surrey.ac.uk/savee/Evaluation.html Evaluación probada por ellos sobre su dataset
RML Emotion dataset	Se analiza la voz del que habla	720 vídeos de 3 a 6 segundos 6lenguas	• anger • disgust • fear • happiness • sadness • surprise	
Berlin Database of Emotional Speech (EMO-DB)	Se analiza la voz del que habla	535 audios, algunos son diferentes versiones grabadas de un mismo video.	• anger • disgust • fear • happiness • sadness • boredom	Speech Emotion Classification Using Machine Learning Algorithms
Danish Emotional Speech database	Se analiza la voz del que habla	*pendiente de recibirlo 419 speech utterances (i. e., speech segments between two	anger, happiness, neutral, sadness, and surprise.	http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=1326055

		silence pauses) which are expressed by four professional actors, two males and two females -Twenty judges (native speakers from 18 to 58 years old) verified the emotions with a score rate of 67 %.		
SmartKom (http://www.phonetik.uni-muenchen.de/Bas/BasSmartKomPubliceng.html)	Se analiza la voz del que habla	448 recording sessions *Persona interactua con una máquina	1. neutral [Neutral] 2. joy/gratification (being successful) [Freude/Erfolg] 3. anger/irritation [Ärger/Mißerfolg] 4. helplessness [Ratlosigkeit] 5. pondering/reflecting [Überlegen/Nachdenken] 6. surprise [Überraschung/Verwunderung] 7. unidentifiable episodes [Restklasse]	
GEMEP(Geneva Multimodal Emotion Portrayals) 'acted'	Se analiza la voz del que habla	145 audio-video files	*INFO EN TABLA DEBAJO	INTERSPEECH 2013 (http://www.dcs.gla.ac.uk/~vincia/papers/compare.pdf)
DAIC-WOZ Database Description	Se analiza la voz del que habla		diagnosis of psychological distress conditions such as anxiety, depression, and post-traumatic stress disorder.	
SEWA corpus	**Reacción del usuario a vídeos**		Valence, arousal..	AVEC 2017 (https://db.sewapro

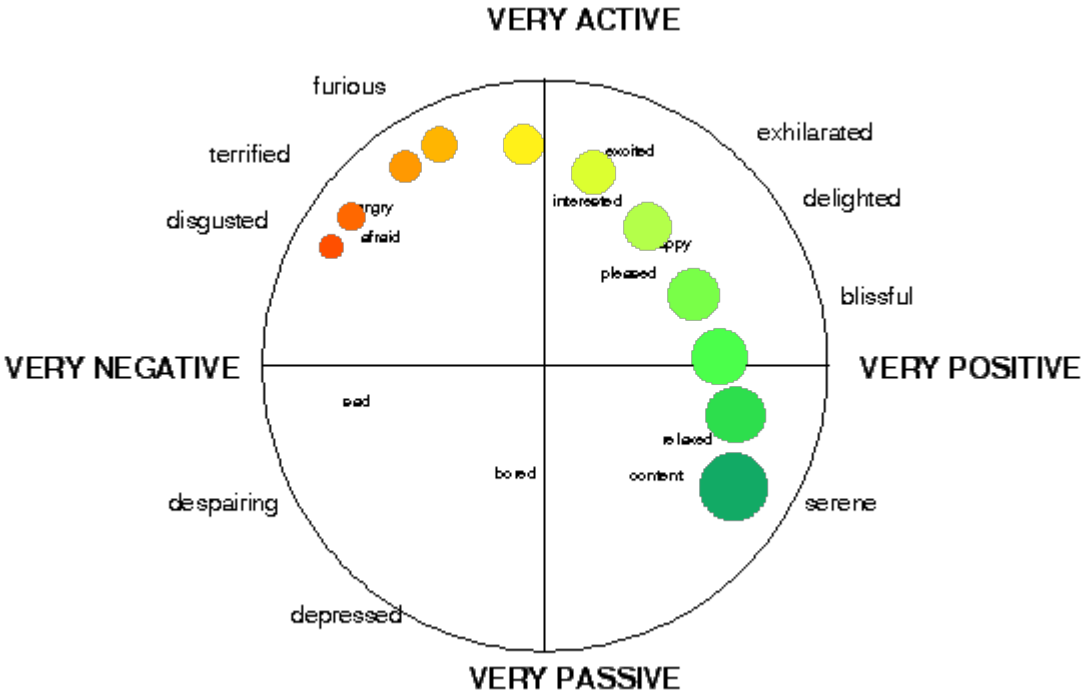
	externos → influencia del ambiente?			ject.eu/pages/about/)
IEMOCAP 'acted'	Se analiza la voz del que habla	12 hours of audiovisual data	IEMOCAP database is annotated by multiple annotators into categorical labels, such as anger, happiness, sadness, neutrality, as well as dimensional labels such as valence, activation and dominance.	
AVIC(Audiovisual Interest Corpus)	Reacción del usuario a un producto que se les presenta	Muestras audio-visuales en donde se pone un vídeo a los usuarios para que digan si les	Boredom, joyful, neutral	
LABELS COMO POLARIDAD				
MOUD (español)	Se analiza la voz del que habla	93 clips	Polaridad (sentimental analysis) [-1, 1]	
YouTube (inglés)	Se analiza la voz del que habla	48 vídeos	Polaridad (sentimental analysis) [-1, 0, 1]	
MOSI (inglés)	Se analiza la voz del que habla		Polaridad (sentimental analysis) [-3, -2, -1, 0, 1, 2, 3]	

*GEMEP :

Table 3: *Partitioning of the GEMEP database into train, dev(elopment), and test sets for 12-way classification by emotion category, and binary classification by pos(itive) / neg(ative) arousal (A) and valence (V). +: Mapped to 'other' and excluded from evaluation in 12-class task. •: Mapped to 'undefined' and excluded from evaluation in binary tasks.*

#	train	dev	test	A	V	Σ
admiration+	20	2	8	pos	pos	30
amusement	40	20	30	pos	pos	90
anxiety	40	20	30	neg	neg	90
cold anger	42	12	36	neg	neg	90
contempt+	20	6	4	neg	neg	30
despair	40	20	30	pos	neg	90
disgust+	20	2	8	–•	–•	30
elation	40	12	38	pos	pos	90
hot anger	40	20	30	pos	neg	90
interest	40	20	30	neg	pos	90
panic fear	40	12	38	pos	neg	90
pleasure	40	20	30	neg	pos	90
pride	40	12	38	pos	pos	90
relief	40	12	38	neg	pos	90
sadness	40	12	38	neg	neg	90
shame+	20	2	8	pos	neg	30
surprise+	20	6	4	–•	–•	30
tenderness+	20	6	4	neg	pos	30
Σ	602	216	442			1 260

*FEELTRACE



DATASETS USADOS EN OPENSMILE PARA ENTRENAR SUS MODELOS:
http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=5349350
(openEAR - Introducing the Munich Open-Source Emotion and Affect Recognition Toolkit)

Recall [%]	WA	UA
ABC (6 emo. rel. states)	71.9	66.5
AVIC (3 levels of interest)	74.5	70.4
EMO-DB (7 emotions)	89.5	88.8
eNTERFACE (6 emotions)	75.2	75.1

Database	CC_a	MLE_a	CC_v	MLE_v
SAL (train/test)	0.24	0.28	0.15	0.38
VAM (10-f. SCV)	0.83	0.15	0.42	0.14

http://ai2-s2-pdfs.s3.amazonaws.com/3d9b/e94d0e99f17ce4f546bf8daed122dff6f120.pdf

http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=5372886
En este paper mapean emociones en los ejes de arousal y valence para homegeneizar los datasets seleccionados pero no parece que entren en detalle en cómo lo mapean.

Corpus	Content	# / Emotion							# Arousal		# Valence		# All	hh:mm	# Sub	Rec	kHz
									low	high	-	+					
ABC	German fixed	agre 95	chee 105	into 33	nerv 93	neut 79	tire 25	-	104	326	213	217	431	01:15	8 4 f	acted stud	16
AVIC	English variable	loi1 553	loi2 2279	loi3 170	-	-	-	-	553	2449	553	2449	3002	01:47	21 10 f	spon norm	44.1
DES	Danish fixed	angr 85	happ 86	neut 85	sad 84	surp 84	-	-	169	250	169	250	419	00:28	4 2 f	acted norm	20
EMO-DB	German fixed	angr 127	bore 79	disg 38	fear 55	happ 64	neut 78	sadn 53	248	246	352	142	494	00:22	10 5 f	acted stud	16
eNTERF.	English fixed	angr 215	disg 215	fear 215	happ 207	sadn 210	surp 215	-	425	852	855	422	1277	01:00	42 8 f	acted norm	16
SAL	English variable	q1 459	q2 320	q3 564	q4 349	-	-	-	884	808	917	779	1692	01:41	4 2 f	spon norm	16
SmartKom	German variable	angr 220	help 161	joy 284	neut 2179	pond 643	surp 70	unid 266	3088	735	381	3442	3823	07:08	79 47 f	spont noisy	16
SUSAS	English fixed	hist 1202	meds 1276	neut 701	scre 414	-	-	-	701	2892	1616	1977	3593	01:01	7 3 f	mixed noisy	8
VAM	German variable	q1 21	q2 50	q3 451	q4 424	-	-	-	501	445	875	71	946	00:47	47 32 f	spon norm	16

Abbreviations: Sub: subjects (f stands for the number of female subjects), Rec: recording characteristics. agre: aggressive, angr: angry, bore: boredom, chee: cheerful, disg: disgust, happ: happy, help: helplessness, hist: high stress, into: intoxicated, loi1–3: level of interest 1–3, meds: medium stress, nerv: nervous, neut: neutral, pond: pondering, q1–q4: quadrants in the arousal-valance plane, sadn: sadness, surp - surprise, tire: tired, unid: unidentifiable