Notes\_on\_datasets

I use a text editor (Sublime) to help me count occurrences within datasets.

# Aesdd

From the readme

For the creation of v.1 of the database, 5 (3 female and 2 male) professional actors were recorded. 19 utterances of ambiguous out of context emotional content were chosen. The actors acted these 19 utterances in every one of the 5 chosen emotions. One extra improvised utterance was added for every actor and emotion. The guidance of the actors and the choice of the final recordings were supervised by a scientific expert in dramatology. For some of the utterances, more that one takes were qualified. Consequently, around 500 utterances occured in the final database.

No gender labels, but I manually determined that speakers 1, 2, and 5 are female-sounding and speakers 3, 4, and 6 are male-sounding. Contrary to the documentation, the dataset actually contains 6 different speakers.

# Anad

There’s something up with the segmented files; they all sound the same?

Labels at the discourse level? Low face validity

# BAUM1

There are misspellings in the emotion labels. Also, “Subject Label”, “Clip”, and “Clip Name” don’t always match.

First pass cleaning in Excel (data\_dir.xslx). Record counts didn’t match, so I redid it in Python.

From the paper

The data was collected from 31 subjects, 17 of which are female, which are shown in Fig. 2. All subjects are native speakers of Turkish, and have an age range of 19-65.

…



The paper is inconsistent on the actual number of participants coded female.

S015\_007 spontaneous emo label does not match emo code in annotations!

Some mp4s no audio? Check downstream

Boredom is mapped to negative valence (van Tilburg & Igou, 2017; Kort, Reilly, & Picard, 2001)

Interest is mapped to positive valence (Kort, Reilly, & Picard, 2001)

Contempt mapped to negative (Trnka, Mana, & Kuška, 2021; Ferran 2017; Melwani, Mueller, & Overbeck, 2012)

Surprise is negative (Noordewier & Breugelmans 2013; Koch, Alves, & Krüger 2016; Noordewier, Topolinski, & Van Dijk 2016)

# BAUM2

Extensive manual Pre-cleaning done in data\_dir.xlsx; stages of processing go from leftmost sheet to rightmost sheet

Recoded to valence and recounted majority vote

# Café

Surprise is now negative

“This dataset includes six different sentences, pronounced by twelve actors, in six basic emotions plus one neutral emotion. The basic emotions are acted in two different intensities. This represents a total of 936 different audio samples.”

All samples accounted for

# CREMA-D

“There are 91 actors, 48 male and 43 female (51 actors worked with one director, 40 with the another). The actors were between the ages of 20 and 74 with a mean age of 36. Table 2 provides detailed age information. Several racial and ethnic backgrounds were represented in the actor group: Caucasian, African American, Hispanic, and Asian. Table 3 provides a detailed breakdown of the racial and ethnic groups.”

Crowd-sourced ratings

“Binomial majority is used to define majority recognition. Unlike traditional majority, which is defined as more than 50% of raters having selected the specific emotion, binomial majority is achieved when a binomial test would reject at the 95% confidence level the null hypothesis that the most commonly chosen label is selected randomly from the six possible labels.”

* Recode intended emotions to valence
* Recode votes to valence
  + A, D, F, S -> -1, N -> 0, H -> 1
  + H:N -> 1
  + Remaining -> -1 if the vote string doesn’t contain “N”
* Retain the record if any of VoiceVote valence, FaceVoteValence, or MultiModalVote valence matches the intended valence

Discarded 569, kept 6873

Intended emotion used for final valence label

# dzafic

Just 6 samples, so I created the tsv manually

# ekorpus

The corpus contains 1,234 Estonian sentences that express anger, joy and sadness, or are neutral. [867 retained]

Female voice, 44.1 KHz, 16Bit, Mono;

wav, textgrid: phonemes, words, sentences.

The audio-recordings and text of sentences can be downloaded and saved.

^ <https://metashare.ut.ee/repository/browse/estonian-emotional-speech-corpus/4d42d7a8463411e2a6e4005056b40024a19021a316b54b7fb707757d43d1a889/>

Elicited spontaneously

Used <http://peeter.eki.ee:5000/reports/valence>

To filter only samples with >51% rater recognition for positive, negative, and neutral valence

[Text influence: all

Emotion: all

Min. recognition %: 51]

Filter op returned list of sample IDs

Used the corresponding textgrid field for emotion category label

69 Sample IDs missing from dataset: 466, 468, 475, 481, 485, 493, 495, 499, 509, 511, 521, 550, 552, 554, 556, 558, 564, 570, 572, 578, 582, 586, 588, 592, 594, 598, 608, 612, 626, 638, 642, 469, 471, 473, 507, 515, 519, 525, 527, 529, 531, 533, 535, 537, 541, 545, 547, 548, 560, 562, 566, 568, 574, 584, 590, 596, 600, 602, 604, 606, 610, 614, 620, 622, 624, 632, 634, 640, 644, 646

253 sample IDs discarded since perceived valence did not match intended valence:  
120325, 13875, 13701, 13935, 13737, 120706, 120732, 13673, 14039, 121322, 121324, 173, 217, 229, 279, 285, 13435, 13473, 13525, 13661, 13677, 13683, 13687, 13743, 13799, 13877, 13879, 13903, 13917, 13923, 13929, 13967, 13979, 120151, 120161, 120171, 120173, 120203, 120221, 120225, 120227, 120233, 120317, 120365, 120526, 120532, 120534, 120536, 120572, 120590, 120692, 120712, 120718, 120744, 120901, 120909, 120961, 121141, 121188, 121208, 121286, 121312, 171, 121330, 13639, 14131, 14163, 14167, 14179, 14353, 120263, 120311, 120403, 120568, 120596, 120598, 120600, 120616, 120676, 120738, 120819, 120857, 120943, 120951, 120955, 120963, 120971, 121003, 121123, 121145, 121156, 121194, 121206, 57, 91, 175, 269, 395, 13249, 13311, 13335, 13341, 13627, 43, 120279, 120281, 120845, 65, 69, 120323, 121113, 120337, 127, 13583, 121214, 120367, 120369, 121222, 167, 185, 195, 121121, 121266, 120401, 121232, 13643, 13649, 13773, 13949, 13983, 120923, 120445, 120451, 120457, 120540, 14125, 14129, 121137, 14137, 121139, 120586, 120588, 121234, 14165, 121150, 121268, 120967, 120975, 14201, 120979, 120634, 120642, 120995, 14249, 120662, 14259, 14261, 121174, 13001, 121007, 120670, 14281, 14283, 13033, 13071, 120680, 121182, 121051, 121184, 13091, 121186, 120742, 14375, 120750, 13179, 120754, 121276, 121067, 121071, 121073, 14451, 120768, 14463, 120770, 14477, 13255, 121288, 120776, 121198, 120780, 14543, 14547, 13331, 121202, 120814, 120163, 120175, 120177, 120189, 120829, 120831, 13451, 120833, 13459, 120835, 120839, 120696, 13009, 120782, 14295, 13251, 121075, 120219, 13679, 120877, 120881, 120895, 120931, 121041, 121152, 121244, 121310, 305, 13077, 13085, 13181, 13199, 13257, 13267, 13433, 13675, 13721, 13839, 13843, 13859, 13965, 14035, 14109, 14205, 14209, 120139, 120147, 120215, 120297, 120315, 120347, 120355, 120359, 120381, 120538, 120644, 120690, 120788

# EmoDB