

**Supplemental Material**  
**Crowdsourcing and Validating**  
**Event-focused Emotion Corpora for German and English**

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## **A Corpus Generation and Labelling**

For experimental reproducibility, we detail here our crowdsourcing approach. Figure 1 illustrates the instructions presented to the annotators for sentence generation (Phase 1), Figure 2 shows a preview of the task itself. The labelling task of Phase 2 is presented in Figure 3.

To build deISEAR, we targeted Figure-Eight contributors from Germany and Austria, while the English experiment was restricted to United Kingdom and Ireland. As a quality check, we required all workers to be level-3 contributors, i.e., the most experienced ones, who reached the highest accuracy in previous Figure-Eight jobs. It should be noted that these laypeople received only minimal and distant training, while participants of ISEAR were directly instructed by the experimenters. We aimed at adapting their questionnaire to a crowdsourcing framework, by formulating the task of sentence generation as one of sentence completion (e.g. “*Ich fühlte Freude, als/weil/...*”, “*I felt Joy when/because ...*”). Preliminary experiments showed that people provided more coherent and grammatically correct sentences than when they were presented with a faithful translation of the original survey.

Phase 1 involved 121 English jobs and 116 German jobs after filtering unacceptable answers (e.g. nonsensical items), totalling 2002 tasks (hits). The two languages required a diverse amount of jobs because ungrammatical and nonsensical descriptions were (manually) discarded. In the second Phase, 34 jobs were launched for English and 23 for German. This way we collected 5005 annotations for each language (i.e. 5 annotations per description). Overall, data collection and annotation was finalized in three months. The total cost was 300\$ for Phase 1, and 150\$ for Phase 2.

## Survey On The Emotion Of Shame

Instructions ▾

### Overview

This study is about the emotional experience of **Shame**. Please recall a situation which provoked this feeling in you and for which you vividly remember both the circumstance and your reaction. Your responses will remain completely anonymous.

### Rules and Tips

#### Rules:

- Please complete the sentence below by describing a circumstance in your life that made you feel **ashamed**.

I felt shame because/when/that (required)

Responses that are not descriptions of events or situations are rejected and will not be paid. For example, "I can't remember" or "I do not have that feeling" are not acceptable answers.

- You will then answer three multiple-choice questions about this emotional experience.

Figure 1: Instructions for the Generation Task

Complete the sentence by describing a situation or event—in as much detail as possible—in which you felt **Shame**.

I felt shame because/when/that (required)

When did this happen? (required)

- days ago
- weeks ago
- months ago
- years ago

How long did you feel the emotion? (required)

- a few minutes
- an hour
- several hours
- a day or more

How intense was this feeling? (required)

- not very
- moderately intense
- intense
- very intense

You are (required)

Select one



Figure 2: Preview of the Generation Task

## Emotion Rating

Instructions ▾

### Overview

In an experiment we asked participants to describe emotional situations. Your task now is to guess which emotion was felt.

I felt ... because I received more holidays than I thought I would get, so I could spend more time on my hobbies.

**Which emotion, do you think, did the writer of the sentence most likely feel? (required)**

- Anger
- Disgust
- Fear
- Guilt
- Joy
- Sadness
- Shame

Figure 3: Preview of the Emotion Validation Task

## B Descriptive Analysis

Table 1 and Table 2 present a compact description of the corpora, normalizing the counts by column and by row blocks, as reported in Section 4 in the main paper.

Table 1 highlights differences in the distribution of emotions across different temporal distances, intensities, durations, and annotators’ gender. We see for instance that Shame is outstanding in English for long-distant events, while Anger and Disgust (depending on language) are more dominant in events that happened a few days prior to description production. For intensities, the distribution across emotions is most unbalanced for the label “Not Very”; for duration, Disgust is the prevailing emotion among those which lasted only a few minutes, while it is the less frequent among those which persisted for one or multiple days. The exact opposite holds for Joy and Sadness, which appear to be more durable states.

Table 2 highlights differences in the distribution of extra-linguistic labels across different emotions. A few commonalities emerge between the two languages. The majority of descriptions are referred to remote emotion episodes. Moreover, Anger-, Fear-, Joy- and Sadness-related descriptions are mostly about events which caused very intense affective states. For duration, most occurrences of Anger and Sadness lasted longer than one day both in German and English, while Fear episodes are more short-termed, similar to Disgust.

|         |         | Temporal Distance |     |     |     | Intensity |     |     |     | Duration |     |     |     | Gender |     |   |
|---------|---------|-------------------|-----|-----|-----|-----------|-----|-----|-----|----------|-----|-----|-----|--------|-----|---|
|         |         | Emotion           | D   | W   | M   | Y         | NV  | M   | I   | VI       | min | h   | >h  | ≥d     | M   | F |
| German  | Anger   | .19               | .12 | .13 | .13 | .05       | .10 | .18 | .15 | .07      | .16 | .18 | .18 | .14    | .14 | 0 |
|         | Disgust | .16               | .18 | .17 | .08 | .21       | .20 | .13 | .10 | .31      | .20 | .04 | .01 | .14    | .15 | 0 |
|         | Fear    | .10               | .16 | .15 | .16 | .07       | .09 | .16 | .18 | .16      | .18 | .14 | .10 | .14    | .16 | 0 |
|         | Guilt   | .15               | .13 | .12 | .16 | .14       | .22 | .15 | .08 | .13      | .16 | .20 | .10 | .15    | .12 | 0 |
|         | Joy     | .17               | .15 | .12 | .14 | .04       | .07 | .16 | .20 | .05      | .10 | .20 | .23 | .14    | .16 | 1 |
|         | Sadness | .12               | .13 | .17 | .15 | .05       | .12 | .12 | .21 | .05      | .05 | .13 | .31 | .14    | .14 | 0 |
|         | Shame   | .10               | .14 | .15 | .17 | .43       | .21 | .11 | .07 | .23      | .15 | .11 | .06 | .15    | .12 | 0 |
| English | Anger   | .18               | .16 | .13 | .11 | .12       | .12 | .15 | .16 | .13      | .13 | .16 | .15 | .15    | .14 | 0 |
|         | Disgust | .23               | .14 | .11 | .10 | .16       | .18 | .12 | .13 | .28      | .15 | .11 | .07 | .13    | .15 | 0 |
|         | Fear    | .08               | .16 | .19 | .15 | .03       | .10 | .18 | .17 | .22      | .16 | .15 | .07 | .16    | .13 | 0 |
|         | Guilt   | .13               | .14 | .14 | .15 | .33       | .18 | .14 | .07 | .11      | .22 | .12 | .14 | .14    | .15 | 0 |
|         | Joy     | .13               | .14 | .16 | .14 | .03       | .09 | .15 | .20 | .06      | .07 | .19 | .20 | .14    | .14 | 0 |
|         | Sadness | .16               | .14 | .16 | .12 | .13       | .16 | .12 | .16 | .07      | .12 | .10 | .23 | .15    | .14 | 0 |
|         | Shame   | .09               | .12 | .10 | .21 | .21       | .18 | .13 | .11 | .12      | .14 | .17 | .14 | .13    | .15 | 0 |

Table 1: Statistics normalized by column. The unnormalized counts are shown in the paper in Table 1.

|         |         | Temporal Distance |     |     |     | Intensity |     |     |     | Duration |     |     |     | Gender |     |     |
|---------|---------|-------------------|-----|-----|-----|-----------|-----|-----|-----|----------|-----|-----|-----|--------|-----|-----|
|         |         | Emotion           | D   | W   | M   | Y         | NV  | M   | I   | VI       | min | h   | >h  | ≥d     | M   | F   |
| German  | Anger   | .32               | .17 | .22 | .29 | .02       | .17 | .47 | .34 | .16      | .20 | .27 | .36 | .78    | .22 | 0   |
|         | Disgust | .27               | .27 | .29 | .17 | .08       | .36 | .34 | .22 | .66      | .26 | .06 | .02 | .77    | .23 | 0   |
|         | Fear    | .17               | .22 | .26 | .34 | .03       | .17 | .41 | .40 | .35      | .22 | .22 | .21 | .76    | .24 | 0   |
|         | Guilt   | .25               | .19 | .21 | .35 | .06       | .40 | .38 | .17 | .29      | .20 | .30 | .21 | .81    | .19 | 0   |
|         | Joy     | .28               | .21 | .20 | .31 | .01       | .13 | .42 | .44 | .10      | .13 | .29 | .48 | .75    | .24 | .01 |
|         | Sadness | .20               | .18 | .29 | .32 | .02       | .22 | .30 | .46 | .11      | .06 | .19 | .64 | .79    | .21 | 0   |
|         | Shame   | .17               | .20 | .25 | .38 | .17       | .39 | .29 | .15 | .50      | .20 | .17 | .13 | .81    | .19 | 0   |
| English | Anger   | .31               | .20 | .17 | .31 | .06       | .24 | .34 | .36 | .21      | .16 | .25 | .38 | .43    | .57 | 0   |
|         | Disgust | .40               | .17 | .15 | .28 | .08       | .36 | .26 | .30 | .46      | .19 | .17 | .18 | .40    | .60 | 0   |
|         | Fear    | .13               | .20 | .25 | .41 | .01       | .21 | .40 | .38 | .36      | .20 | .24 | .19 | .46    | .54 | 0   |
|         | Guilt   | .23               | .17 | .19 | .41 | .17       | .36 | .30 | .16 | .18      | .27 | .20 | .35 | .41    | .59 | 0   |
|         | Joy     | .22               | .17 | .22 | .39 | .01       | .19 | .34 | .46 | .10      | .09 | .30 | .51 | .42    | .58 | 0   |
|         | Sadness | .28               | .17 | .22 | .34 | .07       | .31 | .27 | .35 | .12      | .15 | .16 | .57 | .43    | .57 | 0   |
|         | Shame   | .15               | .15 | .13 | .57 | .11       | .36 | .29 | .24 | .20      | .17 | .27 | .35 | .40    | .60 | 0   |

Table 2: Statistics normalized by partial row. The unnormalized counts are shown in the paper in Table 1.

## C Event-type Analysis

The event-type analysis presented in Section 4 targeted 385 items per language (55 descriptions per emotion). Table 2 in the paper shows the counts of instances associated to the psychological labels across the seven emotions.

For each description, we annotated the following boolean variables:

- About the event time:
  - Does the text describe a *general event*?
  - Does the text describe a *future event*?
  - Does the text describe a *past event*?
- About the realization of the emotion:
  - Is it an actual or a *prospective* emotion?
- About the embedding in a social environment:
  - Are other people or animals part of the event description; is it a *social* event description?
- About the consequences of the event:
  - Are there *self-consequences*?
  - Are there *consequences for others*?
- About the control of the writer:
  - Is the author presumably under *situational control*?
  - Does the author presumably have *self control/responsibility*?

While the paper describes the distribution of labels by emotion, here we expand the discussion to the extra-linguistic information collected in Phase 1. Table 3 distributes the raw counts across the annotation values. It should be noticed that the random descriptions used for this analysis were not balanced with respect to their values of each variable. For this reason, Table 4 reports relative counts (i.e. counts of descriptions normalized by the number of instances within the label Day, Week, Month etc.).

Some regularities can be observed across all columns of Table 4. For instance, events which involved a purposeful participation of their experiencer are a minority in both languages (Sit. control), and approximately 50% of the descriptions mention individuals other than the writer (Social). The latter proportion, however, is higher for English than for German.

Events that are linked to consequences for the self mostly come from the German sample (Self conseq.). In German, moreover, such type of events are recalled more frequently than events that had consequences on others (Conseq. oth.). The opposite is true for English: emotions of English authors often wrote about events that affected the life of other people or animals. This holds irrespective of the temporal distance, the intensity, the duration of the experience and the gender of the experiencer. Exceptions are English descriptions of facts which only lasted a few minutes, and which appear to bring consequences for the self more than for others (Self conseq. and Conseq. oth. in column min).

As for the responsibility of events, this label is consistent across all columns in the German sample. Instead, in English we observe some marked differences. Emotions with a low intensity (column NV) followed an event which was directly triggered by their experiencer, but very intense emotions are less frequently associated to responsibility (column VI). Lastly, shorter events (min) imply the responsibility dimension more than long ones ( $\geq d$ ).

| Dimension | Temporal Distance |     |     |     | Intensity |    |     |     | Duration |     |     |     | Gender |     |     |   |
|-----------|-------------------|-----|-----|-----|-----------|----|-----|-----|----------|-----|-----|-----|--------|-----|-----|---|
|           | D                 | W   | M   | Y   | NV        | M  | I   | VI  | min      | h   | >h  | ≥d  | M      | F   | O   |   |
| German    | General Event     | 2   | 3   | 1   | 2         | 0  | 1   | 4   | 3        | 4   | 0   | 1   | 3      | 6   | 2   | 0 |
|           | Future Event      | 0   | 0   | 1   | 0         | 0  | 0   | 1   | 0        | 0   | 0   | 1   | 0      | 1   | 0   | 0 |
|           | Past Event        | 98  | 76  | 101 | 101       | 22 | 92  | 141 | 121      | 121 | 66  | 83  | 106    | 287 | 89  | 0 |
|           | Prospective       | 3   | 2   | 2   | 0         | 0  | 3   | 3   | 1        | 2   | 2   | 1   | 2      | 5   | 2   | 0 |
|           | Social            | 55  | 41  | 53  | 51        | 13 | 43  | 80  | 64       | 70  | 32  | 42  | 56     | 152 | 48  | 0 |
|           | Self conseq.      | 54  | 45  | 70  | 67        | 15 | 52  | 94  | 75       | 74  | 36  | 59  | 67     | 176 | 60  | 0 |
|           | Conseq. oth.      | 42  | 30  | 34  | 41        | 10 | 35  | 54  | 48       | 52  | 25  | 28  | 42     | 110 | 37  | 0 |
|           | Sit. ctrl.        | 17  | 13  | 18  | 18        | 2  | 17  | 29  | 18       | 21  | 10  | 14  | 21     | 56  | 10  | 0 |
|           | Responsib.        | 53  | 37  | 63  | 55        | 11 | 57  | 76  | 64       | 68  | 40  | 45  | 55     | 160 | 48  | 0 |
|           | Sum               | 226 | 171 | 242 | 234       | 51 | 208 | 341 | 273      | 291 | 145 | 191 | 246    | 666 | 207 | 0 |
| English   | General Event     | 6   | 2   | 2   | 1         | 2  | 2   | 5   | 2        | 5   | 2   | 1   | 3      | 3   | 8   | 0 |
|           | Future Event      | 0   | 0   | 0   | 0         | 0  | 0   | 0   | 0        | 0   | 0   | 0   | 0      | 0   | 0   | 0 |
|           | Past Event        | 88  | 61  | 73  | 152       | 23 | 104 | 122 | 125      | 76  | 74  | 85  | 139    | 155 | 219 | 0 |
|           | Prospective       | 3   | 4   | 3   | 5         | 0  | 2   | 8   | 5        | 5   | 4   | 3   | 3      | 7   | 8   | 0 |
|           | Social            | 73  | 51  | 56  | 107       | 14 | 72  | 94  | 107      | 49  | 52  | 66  | 120    | 103 | 184 | 0 |
|           | Self conseq.      | 46  | 30  | 34  | 90        | 14 | 57  | 71  | 58       | 52  | 32  | 47  | 69     | 89  | 111 | 0 |
|           | Conseq. oth.      | 51  | 38  | 39  | 73        | 8  | 49  | 69  | 75       | 30  | 47  | 40  | 84     | 73  | 128 | 0 |
|           | Sit. ctrl.        | 15  | 17  | 16  | 42        | 12 | 30  | 25  | 23       | 21  | 19  | 17  | 33     | 40  | 50  | 0 |
|           | Responsib.        | 50  | 36  | 47  | 89        | 20 | 71  | 80  | 51       | 57  | 50  | 53  | 62     | 104 | 118 | 0 |
|           | Sum               | 244 | 178 | 197 | 407       | 70 | 283 | 352 | 321      | 219 | 206 | 227 | 374    | 419 | 607 | 0 |

Table 3: Event-type analysis: Raw counts of the labels which were manually assigned to a subset of enISEAR and deISEAR, across the extra-linguistic information collected in Phase 1. See the text for the explanation of variables.

| Dimension    | Temporal Distance |               |     |     | Intensity |     |     |     | Duration |     |     |     | Gender |     |     |     |
|--------------|-------------------|---------------|-----|-----|-----------|-----|-----|-----|----------|-----|-----|-----|--------|-----|-----|-----|
|              | D                 | W             | M   | Y   | NV        | M   | I   | VI  | min      | h   | >h  | ≥d  | M      | F   | O   |     |
| German       | General Event     | .02           | .04 | .01 | .02       | 0   | .01 | .03 | .02      | .03 | 0   | .01 | .03    | .02 | .02 | 0   |
|              | Future Event      | 0             | 0   | .01 | 0         | 0   | 0   | .01 | 0        | 0   | 0   | .01 | 0      | 0   | 0   | 0   |
|              | Past Event        | .98           | .96 | .98 | .98       | 1   | .99 | .97 | .98      | .97 | 1   | .98 | .97    | .98 | .98 | 0   |
|              | Prospective       | .03           | .03 | .02 | 0         | 0   | .03 | .02 | .01      | .02 | .03 | .01 | .02    | .02 | .02 | 0   |
|              | Social            | .55           | .52 | .51 | .50       | .59 | .46 | .55 | .52      | .56 | .48 | .49 | .51    | .52 | .53 | 0   |
|              | Self conseq.      | .54           | .57 | .68 | .65       | .68 | .56 | .64 | .60      | .59 | .55 | .69 | .61    | .60 | .66 | 0   |
|              | Conseq. oth.      | .42           | .38 | .33 | .40       | .45 | .38 | .37 | .39      | .42 | .38 | .33 | .39    | .37 | .41 | 0   |
|              | Sit. ctrl.        | .17           | .16 | .17 | .17       | .09 | .18 | .20 | .15      | .17 | .15 | .16 | .19    | .19 | .11 | 0   |
|              | Responsib.        | .53           | .47 | .61 | .53       | .50 | .61 | .52 | .52      | .54 | .61 | .53 | .50    | .54 | .53 | 0   |
|              | English           | General Event | .06 | .03 | .03       | .01 | .08 | .02 | .04      | .02 | .06 | .03 | .01    | .02 | .02 | .04 |
| Future Event |                   | 0             | 0   | 0   | 0         | 0   | 0   | 0   | 0        | 0   | 0   | 0   | 0      | 0   | 0   | 0   |
| Past Event   |                   | .94           | .97 | .97 | .99       | .92 | .98 | .96 | .98      | .94 | .97 | .99 | .98    | .98 | .96 | 0   |
| Prospective  |                   | .03           | .06 | .04 | .03       | 0   | .02 | .06 | .04      | .06 | .05 | .03 | .02    | .04 | .04 | 0   |
| Social       |                   | .78           | .81 | .75 | .70       | .56 | .68 | .74 | .84      | .60 | .68 | .77 | .85    | .65 | .81 | 0   |
| Self conseq. |                   | .49           | .48 | .45 | .59       | .56 | .54 | .56 | .46      | .64 | .42 | .55 | .49    | .56 | .49 | 0   |
| Conseq. oth. |                   | .54           | .60 | .52 | .48       | .32 | .46 | .54 | .59      | .37 | .62 | .47 | .59    | .46 | .56 | 0   |
| Sit. ctrl.   |                   | .16           | .27 | .21 | .27       | .48 | .28 | .20 | .18      | .26 | .25 | .20 | .23    | .25 | .22 | 0   |
| Responsib.   |                   | .53           | .57 | .63 | .58       | .80 | .67 | .63 | .40      | .70 | .66 | .62 | .44    | .66 | .52 | 0   |

Table 4: Event-type analysis: Counts are normalized by instances with the particular value, e.g., the count in the cell “Time General”–“D” is normalized by the number of all instances with the associated value D (temporal distance of days).

## D Annotator Agreement

Section 4.1 discussed the agreement reached by different subsets of annotators *at each generation label*. We report relative counts in Table 5 and we extend the analysis in Table 6, summing over the prompting emotions. This table shows the interannotator agreement of Phase-2 annotators with respect to the meta-information given by the participants of Phase 1, i.e., all the alternatives for gender, intensity, duration and temporal distance under the column Labels.

These numbers represent the count of descriptions within a corpus – and *not within a generation label*, for which the annotation label is the same as the generation label. One can read the table as follows: 177 descriptions from deISEAR, which were labeled as VI by Phase 1 annotators, were then labelled by 5 Phase 2 annotators with their original prompting emotion; 506 instances provided by female annotators for enISEAR were labelled by at least 2 Phase 2 annotators with their original prompting emotion, and so on.

Notably, in the table of Section 4.2, the maximum value that each cell can reach is 143, i.e., the total number of descriptions prompted by a specific emotion. Here, the maximum value varies by cell, because each meta-data label is assigned to a different number of descriptions<sup>1</sup>. Accordingly, higher counts do not necessarily indicate stronger agreement.

| Emotion    | German   |          |          |          |       | English  |          |          |          |       |
|------------|----------|----------|----------|----------|-------|----------|----------|----------|----------|-------|
|            | $\geq 1$ | $\geq 2$ | $\geq 3$ | $\geq 4$ | $= 5$ | $\geq 1$ | $\geq 2$ | $\geq 3$ | $\geq 4$ | $= 5$ |
| Anger      | .94      | .87      | .75      | .57      | .36   | .96      | .90      | .78      | .62      | .41   |
| Disgust    | .97      | .94      | .91      | .87      | .64   | .83      | .71      | .59      | .53      | .37   |
| Fear       | .94      | .87      | .76      | .69      | .55   | .95      | .92      | .87      | .81      | .60   |
| Guilt      | .96      | .88      | .71      | .47      | .22   | .96      | .91      | .87      | .62      | .31   |
| Joy        | .99      | .99      | .99      | .98      | .95   | 1        | 1        | 1        | 1        | .96   |
| Sadness    | .92      | .86      | .79      | .68      | .53   | .98      | .93      | .92      | .81      | .68   |
| Shame      | .90      | .76      | .60      | .46      | .29   | .81      | .64      | .45      | .29      | .16   |
| <i>Sum</i> | 6.62     | 6.17     | 5.51     | 4.71     | 3.53  | 6.48     | 6.01     | 5.47     | 4.69     | 3.49  |

Table 5: Relative agreement counts.

|         | Labels   | German   |          |          |          |       | English  |          |          |          |       |
|---------|----------|----------|----------|----------|----------|-------|----------|----------|----------|----------|-------|
|         |          | $\geq 1$ | $\geq 2$ | $\geq 3$ | $\geq 4$ | $= 5$ | $\geq 1$ | $\geq 2$ | $\geq 3$ | $\geq 4$ | $= 5$ |
| When    | D        | 226      | 157      | 184      | 209      | 226   | 229      | 211      | 189      | 161      | 115   |
|         | W        | 197      | 184      | 169      | 143      | 108   | 168      | 152      | 137      | 112      | 79    |
|         | M        | 229      | 215      | 198      | 174      | 125   | 177      | 165      | 154      | 138      | 109   |
|         | Y        | 295      | 275      | 237      | 200      | 161   | 353      | 331      | 302      | 259      | 196   |
| Length  | min      | 291      | 275      | 245      | 213      | 145   | 223      | 208      | 185      | 162      | 115   |
|         | h        | 173      | 162      | 151      | 127      | 99    | 162      | 145      | 130      | 106      | 74    |
|         | >h       | 205      | 188      | 164      | 139      | 103   | 210      | 197      | 178      | 158      | 118   |
|         | $\geq d$ | 278      | 258      | 228      | 195      | 158   | 332      | 309      | 289      | 244      | 192   |
| Intense | NV       | 52       | 46       | 38       | 32       | 18    | 74       | 69       | 61       | 51       | 31    |
|         | M        | 241      | 224      | 194      | 162      | 113   | 264      | 240      | 217      | 185      | 128   |
|         | I        | 352      | 331      | 301      | 255      | 197   | 288      | 267      | 247      | 213      | 165   |
|         | VI       | 302      | 282      | 255      | 225      | 177   | 301      | 283      | 257      | 221      | 172   |
| Gender  | M        | 738      | 684      | 604      | 510      | 392   | 386      | 353      | 316      | 273      | 200   |
|         | F        | 208      | 198      | 183      | 163      | 112   | 541      | 506      | 466      | 397      | 299   |
|         | O        | 1        | 1        | 1        | 1        | 1     | –        | –        | –        | –        | –     |

Table 6: Full agreement information for both German and English crowd-sourced corpora.

<sup>1</sup>For an overview of the distribution of meta-data labels over the descriptions, refer to Section 4.1.

## E Modeling

Table 7 shows the results of the maximum entropy classifier across all emotions.

| Emotion      | deISEAR |     |     |     |     |     | enISEAR |     |     |     |     |     |
|--------------|---------|-----|-----|-----|-----|-----|---------|-----|-----|-----|-----|-----|
|              | TP      | FP  | FN  | P   | R   | F1  | TP      | FP  | FN  | P   | R   | F1  |
| Anger        | 29      | 30  | 114 | .49 | .20 | .29 | 27      | 32  | 116 | .46 | .19 | .27 |
| Disgust      | 65      | 57  | 78  | .53 | .45 | .49 | 67      | 85  | 76  | .44 | .47 | .45 |
| Fear         | 70      | 77  | 73  | .48 | .49 | .48 | 85      | 69  | 58  | .55 | .59 | .57 |
| Guilt        | 75      | 140 | 68  | .35 | .52 | .42 | 79      | 161 | 64  | .33 | .55 | .41 |
| Joy          | 106     | 61  | 37  | .63 | .74 | .68 | 94      | 43  | 49  | .69 | .66 | .67 |
| Sadness      | 63      | 31  | 80  | .67 | .44 | .53 | 70      | 29  | 73  | .71 | .49 | .58 |
| Shame        | 66      | 131 | 77  | .34 | .46 | .39 | 49      | 111 | 94  | .31 | .34 | .32 |
| <i>Micro</i> | 474     | 527 | 527 | .47 | .47 | .47 | 471     | 530 | 530 | .47 | .47 | .47 |

Table 7: Classification results for both corpora.