

# 1 Annotation Guidelines

Every instance of text is assigned one value out of  $\{0, 1\}$  for each of the five components. The illustrated examples are extracted from the Twitter Emotion Corpus (TEC) and the *Relational EMotion ANnotation* (REMAN) corpus and are meant to clarify the use of these guidelines.

## 1.1 Cognitive Appraisal

An instance is annotated with the value 1 for the category *Cognitive Appraisal*, if at least one of the following rules applies.

- The instance describes an individual evaluation of the **novelty** of an event.
- The instance describes an individual evaluation of the **expectedness** of an event.
- The instance describes an individual evaluation of the **pleasantness** of an event.
- The instance describes an individual evaluation of the **responsibility** of someone for an event.
- The instance describes an individual evaluation of the **consequences** of an event.
- The instance describes an individual evaluation of someone's **coping potential** regarding an event.
- The instance describes an individual evaluation of the **violation of social norms** by an event.
- The instance describes an individual evaluation of some **other cognitively evaluable feature** of an event.
- The instance describes an event that **necessarily evokes a cognitive appraisal process** in an individual.
- The instance describes an individual's **evaluation of a state**.

Examples:

- The instance ‘*Thinks that @melbahughes had a great 50th birthday party*’ would be annotated with a value of 1, because it describes an individual’s evaluation of the pleasantness of the event *melbahughes’ 50th birthday party*.
- The instance ‘*too tired for black friday fun.*’ would be annotated with a value of 0, because, despite containing an evaluation of a personal state, it does not contain an evaluation of an event.
- The instance ‘*The bitter look grew in his eyes. "This failure was wholly my own fault," he said in a low tone. "I knew when I found the duplicate financial statement in Madame Sin's rooms that it was a trap to draw me to Chichester's home."*’ would be annotated with a value of 1, because it was wholly my own fault indicates an evaluation of responsibility for the event.
- The instance ‘*Your dislike of Mr. Barfoot only means that you don't know him, and don't wish to. And you are completely wrong in your judgment of him. I have every reason for being sure that you are wrong.*’ would be annotated with a value of 0, because even though the instance contains a conscious evaluation in *being sure that you are wrong*, it is not the evaluation of an emotion-related event.

## 1.2 Physiological Arousal

An instance is annotated with the value 1 for the category *Physiological Arousal*, if at least one of the following rules applies.

- The instance describes a change in the **heart beat**.
- The instance describes a change in the **breath pattern**.
- The instance describes a change in the **muscle tension**.
- The instance describes a change in the **body temperature**.
- The instance describes a change in the **perspiration rate**.
- The instance describes a change in the **blood flow**.
- The instance describes a **gastrointestinal reflex**.
- The instance describes a case of **piloerection**.

- The instance describes the state of the **strength or tiredness** of an individual.
- The instance describes any **other physiological symptoms**.

Examples:

- The instance *‘Loves when a song makes your heart race practically forcing you to dance around the living room’* would be annotated with a value of 1, because it describes the behaviour of an individual’s heart beat.
- The instance *‘its almost the end of november and i still dont feel cold.’* would be annotated with a value of 0, because, despite containing a statement about an individual’s body temperature, that body temperature is not a physiological reaction to an event. 2
- The instance *‘The birds of passage had also paid the weather-cock a visit and told him of foreign countries, of airy caravans and robber stories that made one’s hair stand on end.’* would be annotated with a value of 1, because *made one’s hair stand on end* describes piloerection.
- The instance *“‘I work hard and suffer pain with my poor hands,” said she, “but I do it willingly, that I may be able to bring you up honestly and truthfully, my dear boy.”’* would be annotated with a value of 0, because even though *suffer pain in my poor hands* describes a physical symptom of pain, it is not related to an emotion-eliciting event.

### 1.3 Motor Expressions

An instance is annotated with the value 1 for the category *Motor Expressions*, if at least one of the following rules applies.

- The instance contains a description of a **facial expression**.
- The instance contains a description of the **state of any facial feature**.
- The instance contains a description of **tears**.
- The instance contains a description of the **vocal quality**.
- The instance contains a description of the **voice volume**.
- The instance contains a description of the **body posture**.

- The instance contains a description of a **movement towards** something or somebody.
- The instance contains a description of a **movement away** from something or somebody.
- The instance contains a description of **silence**.
- The instance contains a description of a **gesture**.
- The instance describes a **verbal communication** about an emotional reaction to an event.
- The instance describes a **non-verbal communication** about an emotional reaction to an event.
- The instance contains an **interjection** as a reaction to an event or situation.

Examples:

- The instance ‘*@TheBodyShopUK when I walk in the room and my 9month old nephew recognises me and his face lights up with the biggest smile thats 100%*’ would be annotated with a value of 1, because it describes the state and movement of an individual’s face and mouth. 3
- The instance ‘*My parents are talking about my dogs belly button...*’ would be annotated with a value of 0, because, despite containing a statement about a communication, that communication has no emotional content or reason.
- The instance ‘*”Ah,—the devil!” laughed Concho, ”what is the quicksilver that is IN to that which is OUT? Hoopa, la Mula!”*’ would be annotated with a value of 1, because *laughed* describes a combination of facial expression and vocal quality.
- The sentence ‘*Coconnas thanked her, assured her by a gesture, and then made a pass, which the nephew parried;*’ would be annotated with a value of 0, because even though *assured her by a gesture* describes gesturing, the gesture is not associated to an emotional reaction.

## 1.4 Action Tendencies

An instance is annotated with the value 1 for the category *Action Tendencies*, if at least one of the following rules applies.

- The instance describes the urge to **approach an event**.
- The instance describes the urge to **avoid an event**.
- The instance describes the urge to **observe an event**.
- The instance describes the urge to **shift attention away** from an event.
- The instance describes the urge to **submit** to an individual or event.
- The instance describes the urge to **control** an individual or event.
- The instance describes the urge to **attack** an individual or object.
- The instance describes the urge to **initiate** any other kind of action.
- The instance describes the urge to **refrain from** a action.
- The instance describes a **situation that evidently leads to** one of the mentioned action tendencies.

Examples:

- The instance *‘sometimes when i think bout you i want to beat the shit out of your face so everyone can see how ugly you are inside and out’* would be annotated with a value of 1, because it describes the urge to approach and attack an individual.
- The instance *‘Looks like I’m watching an Indian movie tonight’* would be annotated with a value of 0, because, despite containing a statement about an upcoming action of an individual, it does not contain information about what the individual wants to do. 4
- The instance *‘She sprang up and wanted to run away, but whithersoever she turned herself, she was continually held back by thick hedges of thorns through which she could not break.’* would be annotated with a value of 1, because wanted to run away describes the urge to avoid an event.

- The instance ‘ *All men run pretty much the same gamut. That attack was the most commonplace sort of passion, no madness in it, no idealization, no sense of mating—* ” *And how, may I ask, do you expect to know when you really do fall in love—* ” *I’ll know, all right. I wish you would put up your hair.* ’ would be annotated with a value of 0, because even though *I’ll know* describes a future event and *I wish you would put up your hair* describes the hope for something to occur, the instance does not describe an individual’s urge to initiate any action.

## 1.5 Subjective Feelings

An instance is annotated with the value 1 for the category *Subjective Feelings*, if at least one of the following rules applies.

- The instance describes the **duration** of an individuals feelings.
- The instance describes the **valence** of an individuals feelings.
- The instance describes the **intensity** of an individuals feelings.
- The instance describes any **other property** of an individuals feelings.
- The instance explicitly mentions the **feeling** of an individual.

Examples:

- The instance ‘ *Feelin a bit sad tonight* ’ would be annotated with a value of 1, because it describes that an individual experiences the feeling of sadness.
- The instance ‘ *Listening to Wiz Khalifa makes it feel like summer again* ’ would be annotated with a value of 0, because, despite containing a statement about how something feels, it does not contain information about a property of an individual’s feelings.
- The instance ‘ “ *Then I must try to see her. I begin to feel—to feel strongly— that a course which would seem premature and unbecoming in other cases would be true and proper conduct in this. Her unhappy dilemmas—her unwonted position—yes, yes—I see it all!* ” ’ would be annotated with a value of 1, because *I [...] feel strongly* describes the intensity of the speakers feeling.

- The instance '*But you must not speak to him on the subject; he's an odd man, and never did and never will act wisely, when his passions and prejudices are engaged.*' '*Has she ever committed any great crime?*' I 5 asked, *feeling as if I were on the point of fainting.*' would be annotated with a value of 0, because even though *feeling as if I were on the point of fainting* describes what the individual feels, it is the feeling of a bodily symptom rather than an emotional state.