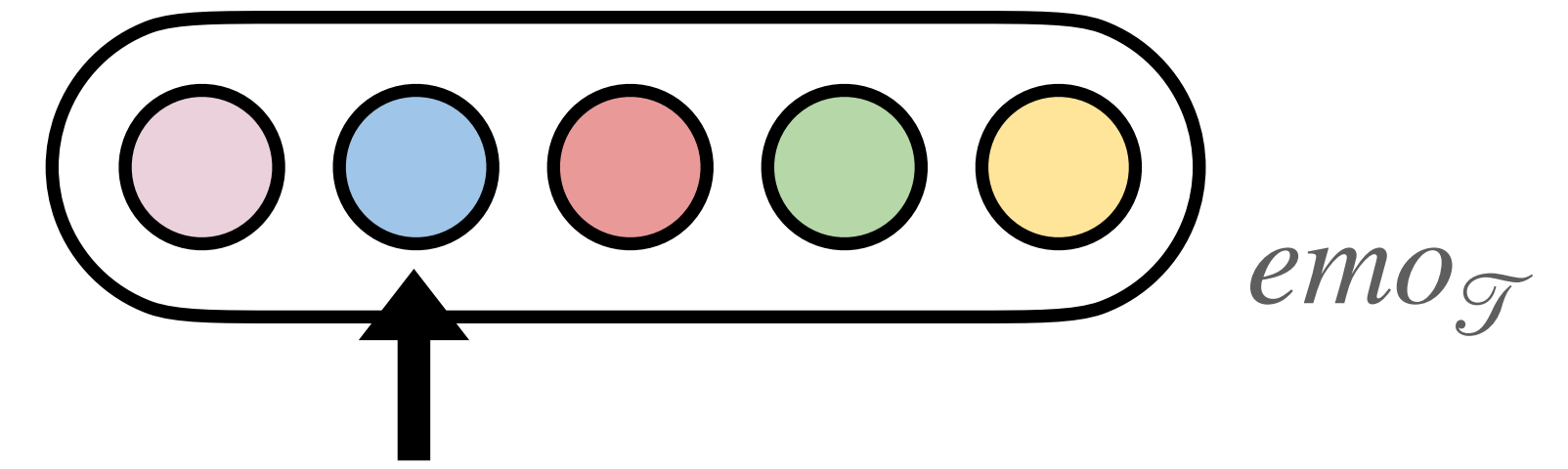


Methodology

Emotion Lexicon ■



- Then summing the scores of each word in the text, as follow:

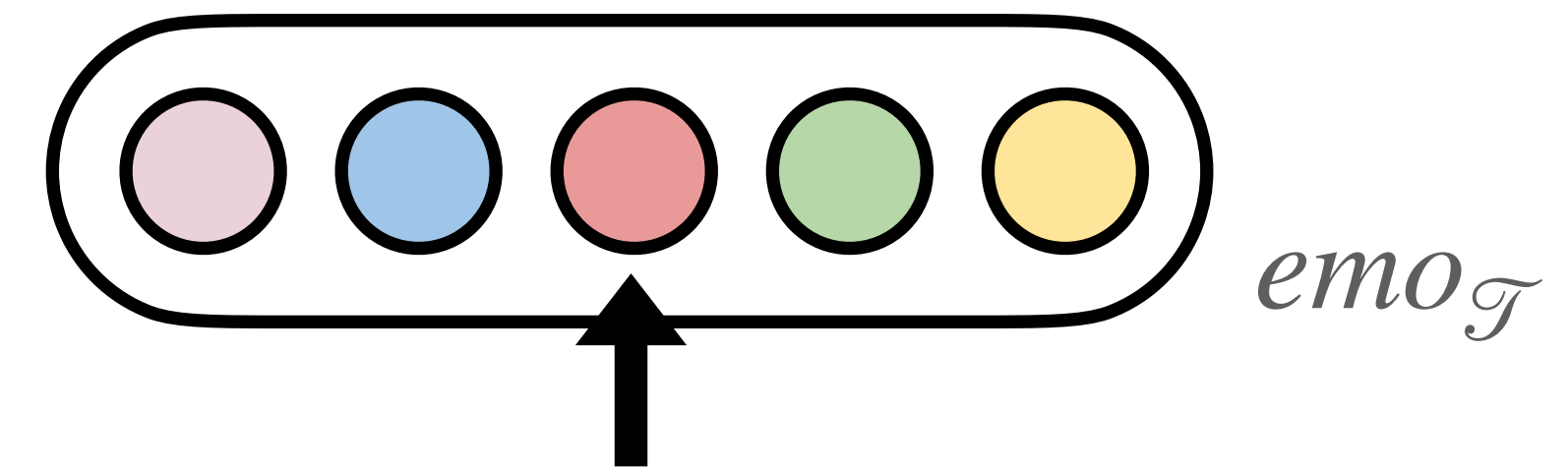
$$\bullet \quad s(\mathcal{T}, e) = \sum_{i=1}^L s(t_i, e), \quad \forall e \in E$$

- Finally, the emotional lexicon features $emo_{\mathcal{T}}^{lex}$ are obtained by **concatenating all scores** of the d_e emotions.

$$\bullet \quad emo_{\mathcal{T}}^{lex} = s(\mathcal{T}, e_1) \oplus s(\mathcal{T}, e_2) \oplus \dots \oplus s(\mathcal{T}, e_{d_e})$$

Methodology

Emotion Intensity ■



- As for emotional lexicons, also consider the **emotional intensity** of the lexicons.
- For example, when expressing the emotion happy, the word "ecstatic" owns **higher intensity** than "joyful".
- The extracting process is **similar** to that of the emotional lexicon features, **except** for that include the **intensity score**.

$$s'(\mathcal{T}, e) = \sum_{i=1}^L s'(t_i, e) = \sum_{i=1}^L \text{int}(t_i) \times s(t_i, e), \quad \forall e \in E$$