

# Experiments

## Experiment Setup

- Emotion classifiers
  - Adopt pretrained models of [NVIDIA](#) (en) & [Baidu AI](#) (ch).
  - Randomly sampled 100 instance to ensure the robustness (NVIDIA / Baidu Acc: 87 / 83%).
- Emotion [lexicon](#) and [intensity features](#)
  - NRC Emotion lexicon (en) & Affective Lexicon Ontology (ch)
- Calculate [sentiment scores](#) by NLTK (en) & HowNet (ch).
- [Auxiliary features](#) from Wikipedia, HowNet, Oxford / Cambridge Dictionary.

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## Baselines

- Select 2 **baseline emotion features** to evaluate the effectiveness of Dual Emotion Features.
- **Emoratio** (ICASSP'19): It's calculated by the **ratio** of count of negative emotional words and count of positive emotional words.
- **EmoCred** (SIGIR'19): Utilize **emotional lexicon** and **intensity features** of content texts, calculated based on the lexicons' **occurrence frequency**.