

PYTHON CODE EXAMPLE

For a **more complete demo**, point your terminal to vader's install directory (e.g., if you installed using pip, it might be `\Python3x\lib\site-packages\vaderSentiment`), and then run `python vaderSentiment.py`.

The demo has more examples of tricky sentences that confuse other sentiment analysis tools. It also demonstrates how VADER can work in conjunction with NLTK to do sentiment analysis on longer texts... i.e., decomposing paragraphs, articles/reports/publications, or novels into sentence-level analysis. It also demonstrates a concept for assessing the sentiment of images, video, or other tagged multimedia content.

If you have access to the Internet, the demo will also show how VADER can work with analyzing sentiment of non-English text sentences.

```
from vaderSentiment.vaderSentiment import SentimentIntensityAnalyzer
#note: depending on how you installed (e.g., using source code download versus
↳pip install), you may need to import like this:
    #from vaderSentiment import SentimentIntensityAnalyzer

# --- examples -----
sentences = ["VADER is smart, handsome, and funny.",          # positive sentence example
             "VADER is not smart, handsome, nor funny.",      # negation sentence example
             "VADER is smart, handsome, and funny!",          # punctuation emphasis
↳handled correctly (sentiment intensity adjusted)
             "VADER is very smart, handsome, and funny.",      # booster words handled
↳correctly (sentiment intensity adjusted)
             "VADER is VERY SMART, handsome, and FUNNY.",     # emphasis for ALLCAPS
↳handled
             "VADER is VERY SMART, handsome, and FUNNY!!!",   # combination of signals -
↳VADER appropriately adjusts intensity
             "VADER is VERY SMART, uber handsome, and FRIGGIN FUNNY!!!", # booster
↳words & punctuation make this close to ceiling for score
             "The book was good.",                             # positive
↳sentence
             "The book was kind of good.",                     # qualified positive
↳sentence is handled correctly (intensity adjusted)
             "The plot was good, but the characters are un compelling and the dialog is
↳not great.", # mixed negation sentence
             "At least it isn't a horrible book.",              # negated negative sentence
↳with contraction
             "Make sure you :) or :D today!",                  # emoticons handled
             "Today SUX!",                                     # negative slang with
↳capitalization emphasis
             "Today only kinda sux! But I'll get by, lol"      # mixed sentiment example
↳with slang and constrastive conjunction "but"
             ]
```

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```
analyzer = SentimentIntensityAnalyzer()
for sentence in sentences:
    vs = analyzer.polarity_scores(sentence)
    print("{:-<65} {}".format(sentence, str(vs)))
```

For a **more complete demo**, go to the install directory and run `python vaderSentiment.py`. (Be sure you are set to handle UTF-8 encoding in your terminal or IDE.)

OUTPUT FOR THE ABOVE EXAMPLE CODE

```

VADER is smart, handsome, and funny.----- {'neg': 0.0, 'neu': 0.0, 'pos': 0.0, 'compound': 0.8316}
↪0.254, 'pos': 0.746, 'compound': 0.8316}
VADER is not smart, handsome, nor funny.----- {'neg': 0.646, 'neu': 0.0, 'pos': 0.354, 'compound': -0.7424}
↪': 0.354, 'pos': 0.0, 'compound': -0.7424}
VADER is smart, handsome, and funny!----- {'neg': 0.0, 'neu': 0.0, 'pos': 0.248, 'compound': 0.8439}
↪0.248, 'pos': 0.752, 'compound': 0.8439}
VADER is very smart, handsome, and funny.----- {'neg': 0.0, 'neu': 0.0, 'pos': 0.299, 'compound': 0.8545}
↪0.299, 'pos': 0.701, 'compound': 0.8545}
VADER is VERY SMART, handsome, and FUNNY.----- {'neg': 0.0, 'neu': 0.0, 'pos': 0.246, 'compound': 0.9227}
↪0.246, 'pos': 0.754, 'compound': 0.9227}
VADER is VERY SMART, handsome, and FUNNY!!!----- {'neg': 0.0, 'neu': 0.0, 'pos': 0.233, 'compound': 0.9342}
↪0.233, 'pos': 0.767, 'compound': 0.9342}
VADER is VERY SMART, uber handsome, and FRIGGIN FUNNY!!!----- {'neg': 0.0, 'neu': 0.0, 'pos': 0.294, 'compound': 0.9469}
↪0.294, 'pos': 0.706, 'compound': 0.9469}
The book was good.----- {'neg': 0.0, 'neu': 0.0, 'pos': 0.508, 'compound': 0.4404}
↪0.508, 'pos': 0.492, 'compound': 0.4404}
The book was kind of good.----- {'neg': 0.0, 'neu': 0.0, 'pos': 0.657, 'compound': 0.3832}
↪0.657, 'pos': 0.343, 'compound': 0.3832}
The plot was good, but the characters are un compelling and the dialog is not great. {
↪'neg': 0.327, 'neu': 0.579, 'pos': 0.094, 'compound': -0.7042}
At least it isn't a horrible book.----- {'neg': 0.0, 'neu': 0.0, 'pos': 0.637, 'compound': 0.431}
↪0.637, 'pos': 0.363, 'compound': 0.431}
Make sure you :) or :D today!----- {'neg': 0.0, 'neu': 0.0, 'pos': 0.294, 'compound': 0.8633}
↪0.294, 'pos': 0.706, 'compound': 0.8633}
Today SUX!----- {'neg': 0.779, 'neu': 0.0, 'pos': 0.221, 'compound': -0.5461}
↪': 0.221, 'pos': 0.0, 'compound': -0.5461}
Today only kinda sux! But I'll get by, lol----- {'neg': 0.179, 'neu': 0.0, 'pos': 0.569, 'compound': 0.2228}
↪': 0.569, 'pos': 0.251, 'compound': 0.2228}

```