Reddit-based **A**nalysis of **C**omparative **I**nformation **S**entiment **T**est

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PROJECT OVERVIEW

- Input two keywords
- Input number of Reddit posts to analyze
- Get analysis

```
import re
from vaderSentiment.vaderSentiment import SentimentIn
from collections import Counter
from prettytable import PrettyTable

# Sentiment Table
sentiment_table = PrettyTable()
sentiment_table.field_names = ["Sentiment", f"{keywo
for sentiment in set(sentiments1.keys()) | set(sent
    sentiment_table.add_row([
        sentiment.capitalize(),
        sentiments1.get(sentiment, 0),
        sentiments2.get(sentiment, 0)
    ])
print(sentiment_table)

# Sentiment Percentage Table
percentages1 = calculate_percentages(sentimer
percentages2 = calculate_percentages(sentime
percentage_table = PrettyTable()
percentage_table.field_names = ["Sentiment"
for sentiment in set(percentages1.keys())
    percentage_table.add_row([
        sentiment.capitalize(),
        f"{percentages1.get(sentiment, 0
        f"{percentages2.get(sentiment,
    ])
print("\nSentiment Percentages:")
```

SENTIMENT ANALYSIS - VADER

- Valence Aware Dictionary for sEntiment Reasoning
- polarity + intensity = valence score
- Incorporates slang and acronyms

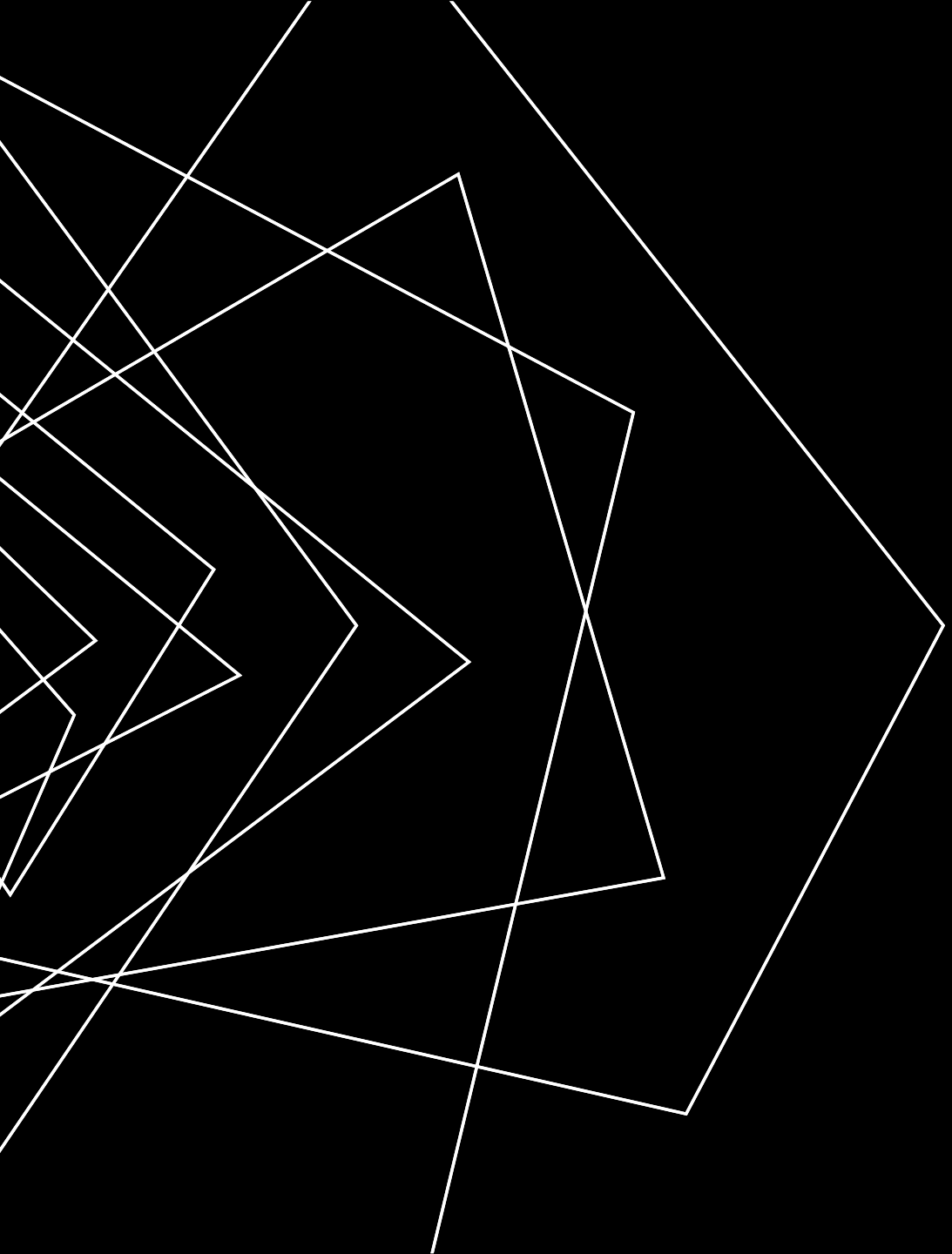
Measured by RACISM

(Reddit-based Analysis of Comparative Information Sentiment - Metrics)

- X-Score: Arbitrary weight negative and positive sentiment
  - Positive: 5
  - Negative: -8
- Grade: Based on Math 31 grading system
  - Additional S-tier: 97%+
- Reliability: Dependent on number of posts analyzed

X-score, Grade, and Reliability:

Metric	Black	White
X-score	30.92	-48.00
Grade	F	F
Reliability	High	High



THANK YOU