Dataset 1 Results

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| Approach |  | Results |  |
| 1. Lexicon-Based (AFINN) | Positive Tweets:  1116 | Negative Tweets:  350 | Neutral Tweets:  2413 |
| 1. Rule-Based (Textblob) | Positive Tweets:  1057 | Negative Tweets:  262 | Neutral Tweets:  2560 |
| 1. Rule-Based (Vader) | Positive Tweets:  1401 | Negative Tweets:  394 | Neutral Tweets:  2084 |
| 1. Machine Learning (Random Forest) | Positive Accuracy:  0.8078668683812406 | Negative Accuracy:  0.3309352517985612 |  |
| 1. Machine Learning (SVC) | Positive Accuracy:  0.794435857805255 | Negative Accuracy:  0.20689655172413793 |  |
| 1. Machine Learning (Logistic Regression) | Positive Accuracy:  0.7932098765432098 | Negative Accuracy:  0.2459016393442623 |  |

Dataset 2 Results

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| Approach |  | Results |  |
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| 1. Machine Learning (Random Forest) | Positive Accuracy:  0.6522272170004086 | Negative Accuracy:  0.6138711264141662 |  |
| 1. Machine Learning (SVC) | Positive Accuracy:  0.6566523605150215 | Negative Accuracy:  0.6030612244897959 |  |
| 1. Machine Learning (Logistic Regression) | Positive Accuracy:  0.656964656964657 | Negative Accuracy:  0.6142506142506143 |  |

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| AFINN SENTENCE | Positive Accuracy = 92.25085259568017% via 4869 samples | Negative Accuracy = 56.18532455315146% via 4252 samples |
| AFINN WORDS | Positive Accuracy = 82.1079258010118% via 4869 samples | Negative Accuracy = 69.61429915333962% via 4252 samples |
| TEXTBLOB SENTENCE | Positive Accuracy = 93.67064255482877% via 4869 samples | Negative Accuracy = 37.5587958607714% via 4252 samples |
| TEXTBLOB WORDS | Positive Accuracy = 72.24035608308606% via 4869 samples | Negative Accuracy = 45.62558795860772% via 4252 samples |
| VADER SENTENCE | Positive Accuracy = 81.21768140116764% via 4869 samples | Negative Accuracy = 64.34619002822201% via 4252 samples |
| VADER WORDS | Positive Accuracy = 66.95544554455446% via 4869 samples | Negative Accuracy = 72.95390404515521% via 4252 samples |

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| OWN DICTIONARY | Positive Accuracy = 93.67064255482877% via 4869 samples | Negative Accuracy = 79.58607714016934% via 4252 samples |