Sentiment Analysis using Word2Vec and Doc2Vec

Khshah2

python sentiment.py data/imdb/ nlp

Naive Bayes

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predicted: pos neg

actual:

pos 10869 1631

neg 2284 10216

accuracy: 0.843400

Logistic Regression

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predicted: pos neg

actual:

pos 10771 1729

neg 2081 10419

accuracy: 0.847600

python sentiment.py data/twitter/ nlp

Naive Bayes

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predicted: pos neg

actual:

pos 68846 6139

neg 54869 20111

accuracy: 0.593185

Logistic Regression

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predicted: pos neg

actual:

pos 68897 6088

neg 54923 20057

accuracy: 0.593165

python sentiment.py data/imdb/ d2v

Naive Bayes

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predicted: pos neg

actual:

pos 5495 7005

neg 2234 10266

accuracy: 0.630440

Logistic Regression

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predicted: pos neg

actual:

pos 10741 1759

neg 1732 10768

accuracy: 0.860360

python sentiment.py data/twitter/ d2v

Naive Bayes

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predicted: pos neg

actual:

pos 55410 19575

neg 45796 29184

accuracy: 0.564092

Logistic Regression

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predicted: pos neg

actual:

pos 57168 17817

neg 30387 44593

accuracy: 0.678565