| Command                                | Naive Bayes           |       |       | Logistic Regression   |       |       |
|--|-----------------------|-------|-------|-----------------------|-------|-------|
| python3 sentiment.py data/imdb/ nlp    | predicted:<br>actual: | pos   | neg   | predicted:<br>actual: | pos   | neg   |
|  | pos                   | 10869 | 1631  | pos                   | 10770 | 1730  |
|  | neg                   | 2284  | 10216 | neg                   | 2080  | 10420 |
|  | accuracy: 0.843400    |       |       | accuracy: 0.847600    |       |       |
| python3 sentiment.py data/twitter/ nlp | predicted:<br>actual: | pos   | neg   | predicted:<br>actual: | pos   | neg   |
|  | pos                   | 68846 | 6139  | pos                   | 68897 | 6088  |
|  | neg                   | 54869 | 20111 | neg                   | 54923 | 20057 |
|  | accuracy: 0.593185    |       |       | accuracy: 0.593165    |       |       |
| python3 sentiment.py data/imdb/ d2v    | predicted:<br>actual: | pos   | neg   | predicted:<br>actual: | pos   | neg   |
|  | pos                   | 5526  | 6974  | pos                   | 10779 | 1721  |
|  | neg                   | 2264  | 10236 | neg                   | 1709  | 10791 |
|  | accuracy: 0.630480    |       |       | accuracy: 0.862800    |       |       |
| python3 sentiment.py data/twitter/ d2v | predicted:            | pos   | neg   | predicted:            | pos   | neg   |
|  | actual:               |       |       | actual:               |       |       |
|  | pos                   | 55170 | 19815 | pos                   | 57023 | 17962 |
|  | neg                   | 45526 | 29454 | neg                   | 30545 | 44435 |
|  | accuracy: 0.564292    |       |       | accuracy: 0.676545    |       |       |