|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  |  |  | atis | wsj | brown |
| Train | Preplexity | BigramModel | 9.043192013019798 | 74.26799183241482 | 93.51927720192262 |
| BackwardBigramModel | 9.0129362437796 | 74.26778753071389 | 93.50913083897301 |
| Word Preplesity | BigramModel | 10.5919539986291 | 88.89008380713945 | 113.35954408376686 |
| BackwardBigramModel | 19.364374738655066 | 86.6602647021424 | 110.78289581654053 |
| BidirectionalBigramModel | 7.235173934082009 | 46.514445090631405 | 61.46886647115352 |
| Test | Preplexity | BigramModel | 19.341388622483773 | 219.71517777445175 | 231.30243689356243 |
| BackwardBigramModel | 11.636203016013203 | 219.51980597986474 | 231.20551767464033 |
| Word Preplesity | BigramModel | 24.053999598153656 | 275.1178149885602 | 310.66735613437913 |
| BackwardBigramModel | 27.16138806179997 | 266.3515745993808 | 299.68570342320015 |
| BidirectionalBigramModel | 12.700210156018738 | 126.1131573880389 | 167.48711091425574 |