|  |  |  |  |
| --- | --- | --- | --- |
| Unigram Entropy | 11.2397 |  |  |
| Bigram Entropy | 5.9276 |  |  |
| Trigram Entropy | 2.0019 |  |  |
|  |  |  |  |
| **No Smoothing** | "Brown" Corpus Size | | |
|  | Full | Half | Quarter |
| Entropy | 1.41769 | 1.16323 | 0.97276 |
| Perplexity | 2.67157 | 2.23958 | 1.96259 |
|  |  |  |  |
|  |  |  |  |
| **Smoothing <x',y,z>** | "Brown" Corpus Size | | |
|  | Full | Half | Quarter |
| Entropy | 3.83086 | 3.39627 | 2.95896 |
| Perplexity | [14.22998](tel:2299833994) | 10.52880 | 7.77565 |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
| **Smoothing <x',y',z>** | "Brown" Corpus Size | | |
|  | Full | Half | Quarter |
| Entropy | 7.73153 | 7.32987 | 6.79200 |
| Perplexity | 212.53169 | 160.88340 | 110.81393 |