Text Analysis Report: blockchain_technology_bard

1. Basic Statistics

Metric	Value
Word Count	233
Sentence Count	11
Character Count	1534
Unique Word Count	131
Avg Word Length (chars)	5.41
Avg Sentence Length (words)	21.18
Avg Sentence Length (chars)	139.45
Sentence Length Std Dev (words)	7.21
Lexical Diversity (TTR)	0.5622
MATTR (Window=50)	0.7783

2. Entropy & Complexity

| Metric	Value
Shannon Entropy (Words)	6.4326 bits
Shannon Entropy (Chars)	4.3472 bits
Function Word Ratio	0.4249

3. Readability Scores

Index	Score
Flesch Reading Ease	33.34
Flesch-Kincaid Grade Level	13.80
Gunning Fog Index	16.53
SMOG Index	15.80
Coleman-Liau Index	14.50
Automated Readability Index	15.50

4. Visualizations
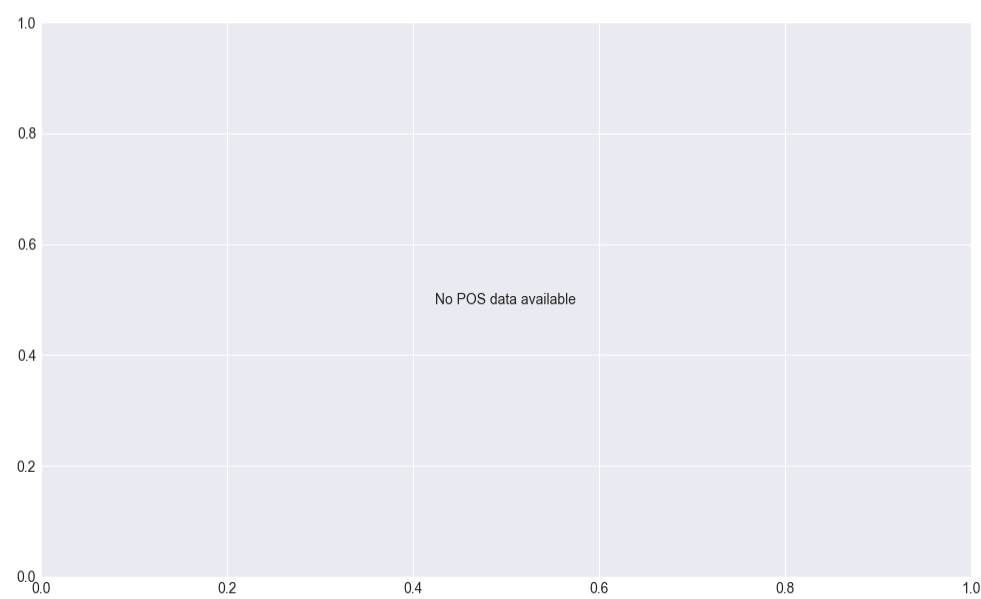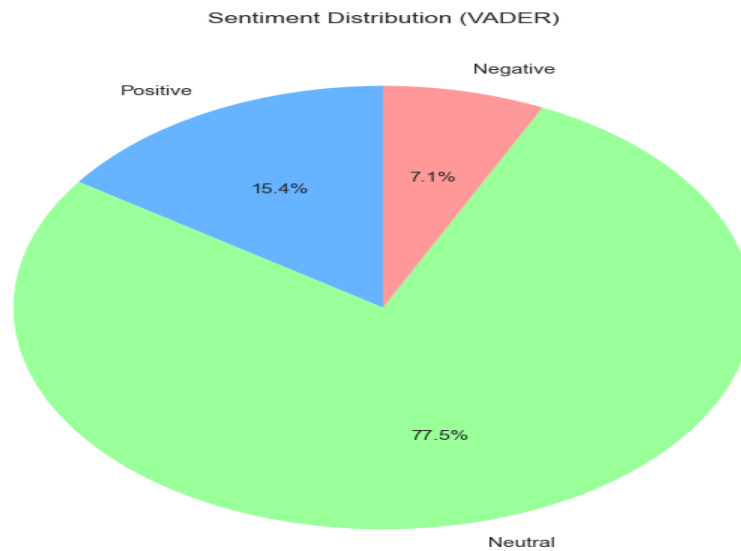
Word Length Distribution

Word Length Distribution

Sentence Length Distribution
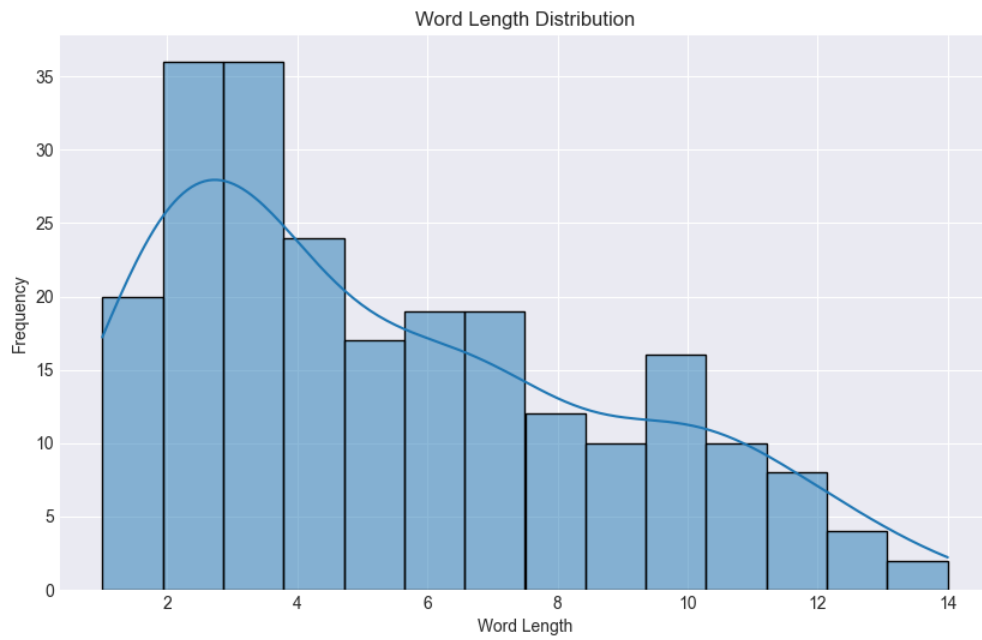
Sentence Length Distribution (Words per Sentence)
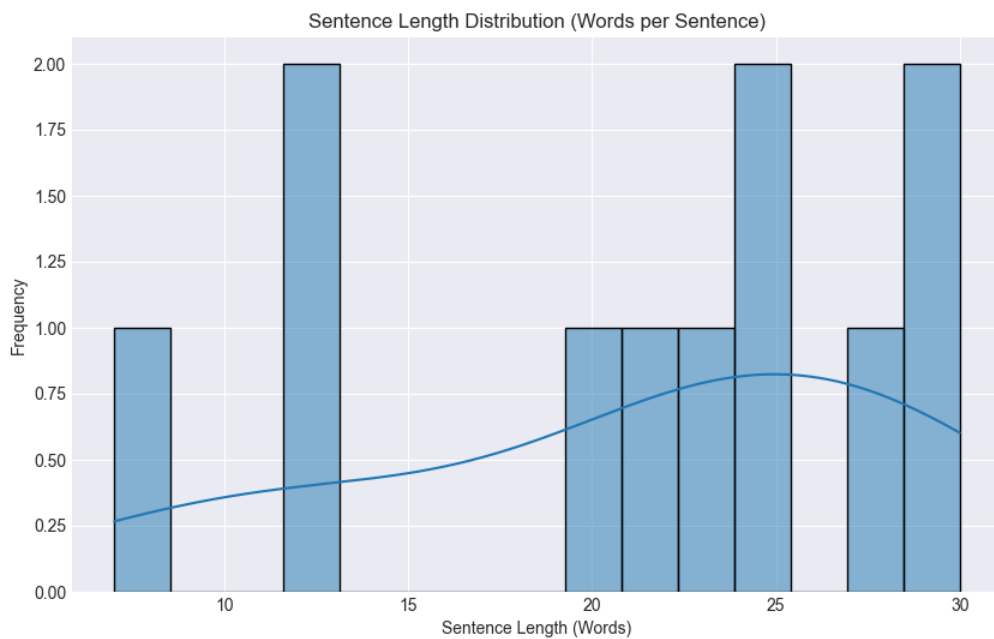
Zipf's Law Analysis (Word Frequency vs Rank)

Zipf's Law (Word Frequency vs. Rank)
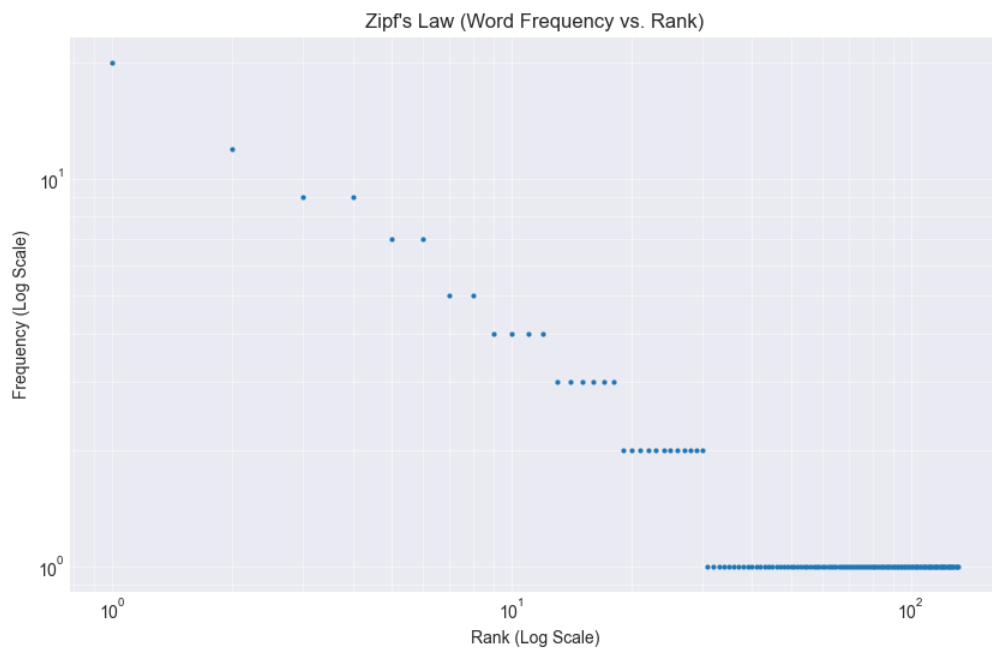
Part-of-Speech Distribution (Top 25)

No POS data available

Sentiment Distribution (VADER)

Sentiment Distribution (VADER)

Punctuation Frequency

Punctuation Frequency
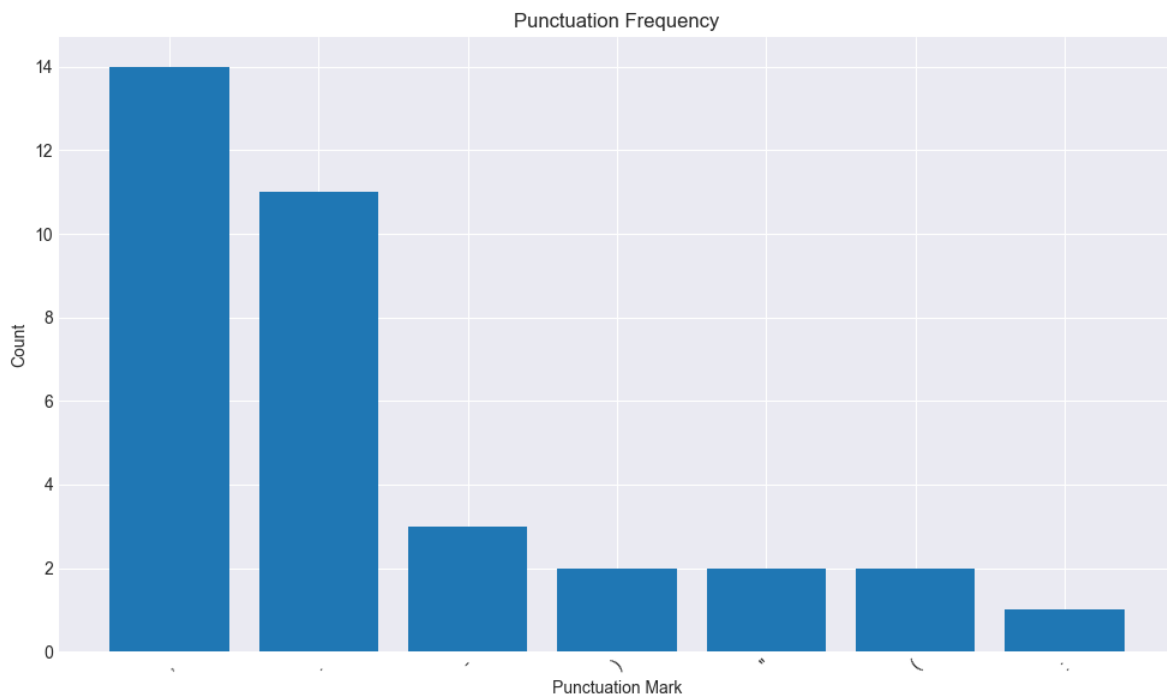
5. Frequency Analysis

Most Common Words (Top 15, with stopwords):

a (20), of (12), the (9), and (9), blockchain (7), is (7), that (5), for (5), block (4), in (4), as (4), data (4), distributed (3), ledger (3), network (3)

Most Common Punctuation:

',' (14), '.' (11), '-' (3), '(' (2), ')' (2), '"' (2), ':' (1)

6. N-gram Analysis

Common 2-grams (Top 10):

'a blockchain' (6), 'blockchain is' (5), 'is a' (3), 'distributed ledger' (3), 'of the' (3), 'record of' (2), 'as a' (2), 'the data' (2), 'blockchain originally' (1), 'originally block' (1)
2-gram Repetition Rate: 0.0776

Common 3-grams (Top 10):

'a blockchain is' (5), 'blockchain is a' (2), 'blockchain originally block' (1), 'originally block chain' (1), 'block chain is' (1), 'chain is a' (1), 'is a type' (1), 'a type of' (1), 'type of distributed' (1), 'of distributed ledger' (1)
3-gram Repetition Rate: 0.0216

Common 4-grams (Top 10):

'a blockchain is a' (2), 'blockchain originally block chain' (1), 'originally block chain is' (1), 'block chain is a' (1), 'chain is a type' (1), 'is a type of' (1), 'a type of distributed' (1), 'type of distributed ledger' (1), 'of distributed ledger technology' (1), 'distributed ledger technology dlt' (1)
4-gram Repetition Rate: 0.0043

Character N-gram Analysis:

Common Character 3-grams (Top 10):

```
'_a_' (19), '_th' (17), 'blo' (15), 'loc' (15), 'ock' (15), '_bl' (14), 'in_' (13), 'ed_' (13),
'ain' (12), '_of' (12)
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Common Character 4-grams (Top 10):

```
'bloc' (15), 'lock' (15), '_blo' (14), '_of_' (12), '_the' (10), 'tion' (10), 'chai' (9),
'hain' (9), 'the_' (9), '_and' (9)
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Common Character 5-grams (Top 10):

```
'block' (15), '_bloc' (14), 'chain' (9), '_the_' (9), '_and_' (9), 'lockc' (8), 'ockch' (8),
'ckcha' (8), 'kchai' (8), 'hain_' (8)
```