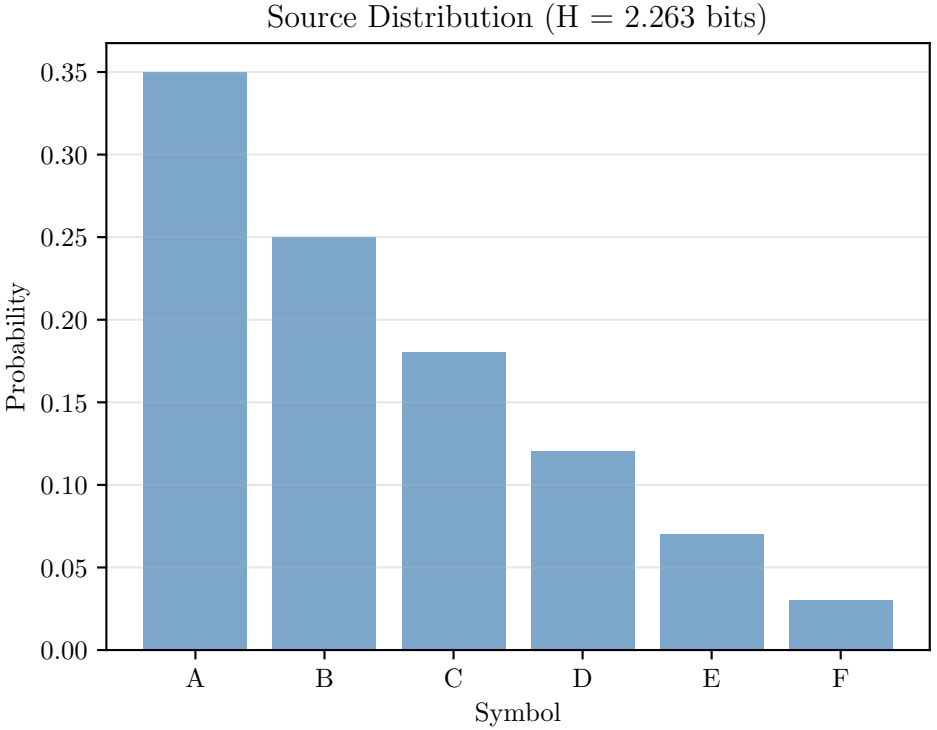
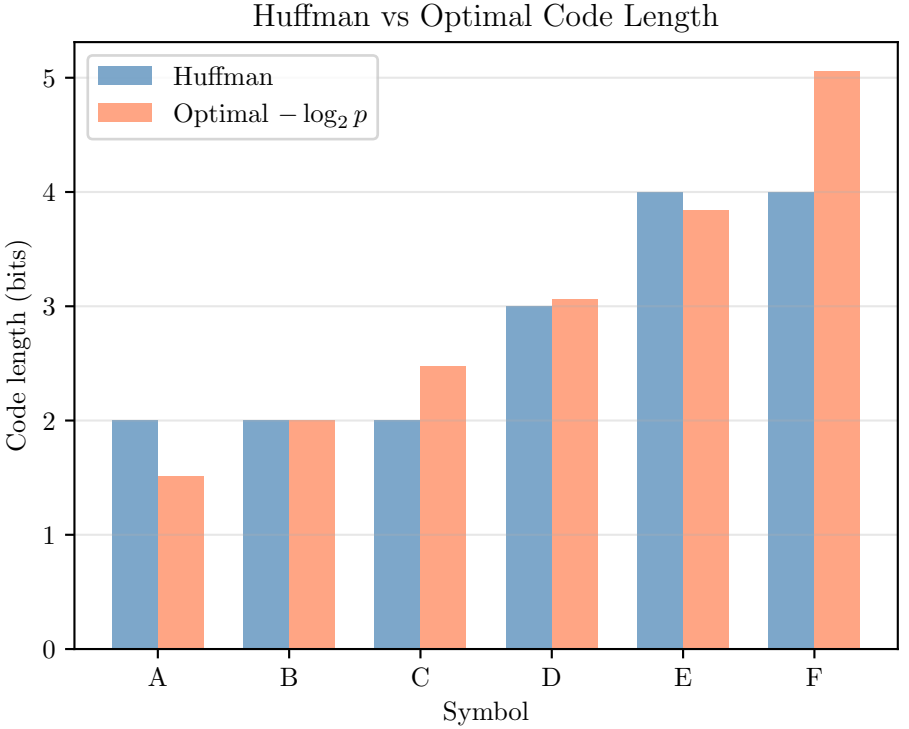
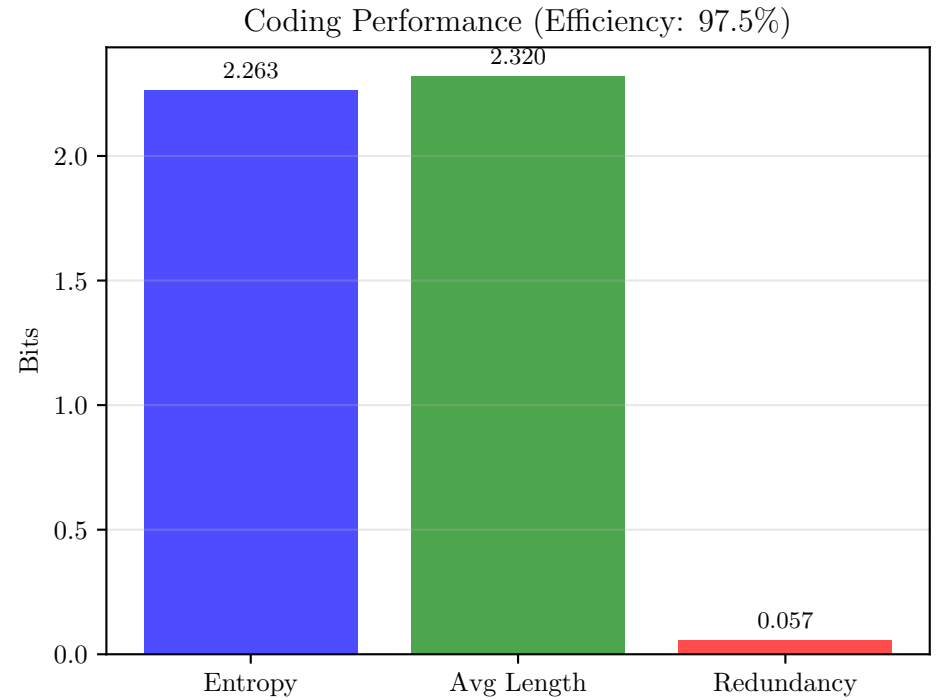
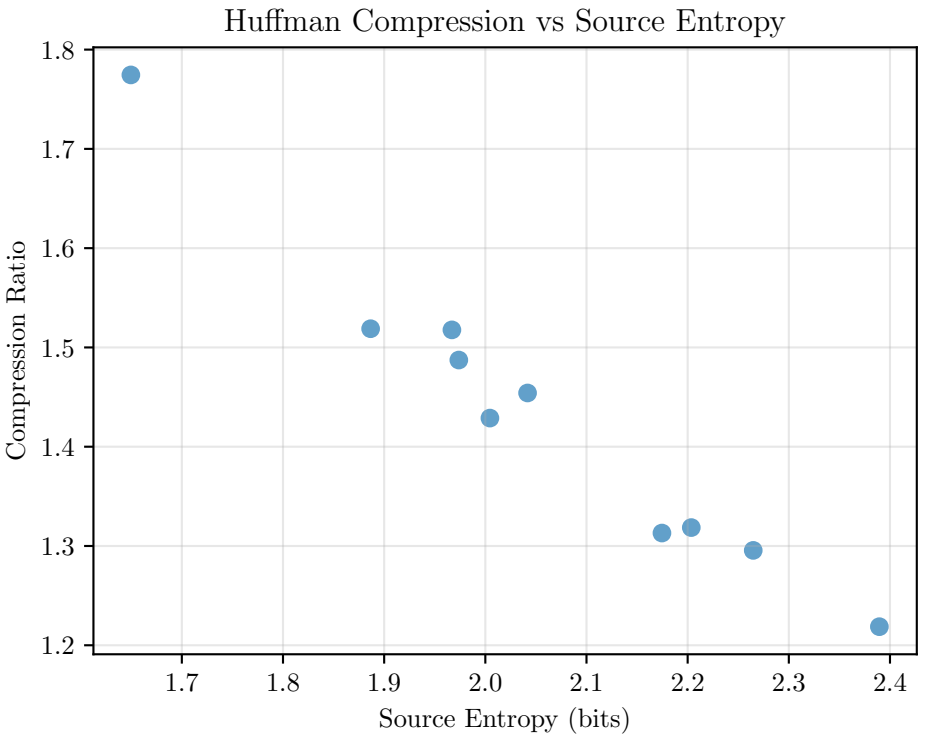

Source Distribution (H = 2.263 bits)
Probability
0.35
0.30
0.25
0.20
0.15
0.10
0.05
0.00
A
B
C
D
E
F
Symbol


Huffman vs Optimal Code Length
Huffman
Optimal $-\log_2 p$
Code length (bits)
5
4
3
2
1
0
A
B
C
D
E
F
Symbol


Coding Performance (Efficiency: 97.5%)
Bits
2.263
2.320
0.057
2.0
1.5
1.0
0.5
0.0
Entropy
Avg Length
Redundancy


Huffman Compression vs Source Entropy
Compression Ratio
1.8
1.7
1.6
1.5
1.4
1.3
1.2
1.7
1.8
1.9
2.0
2.1
2.2
2.3
2.4
Source Entropy (bits)