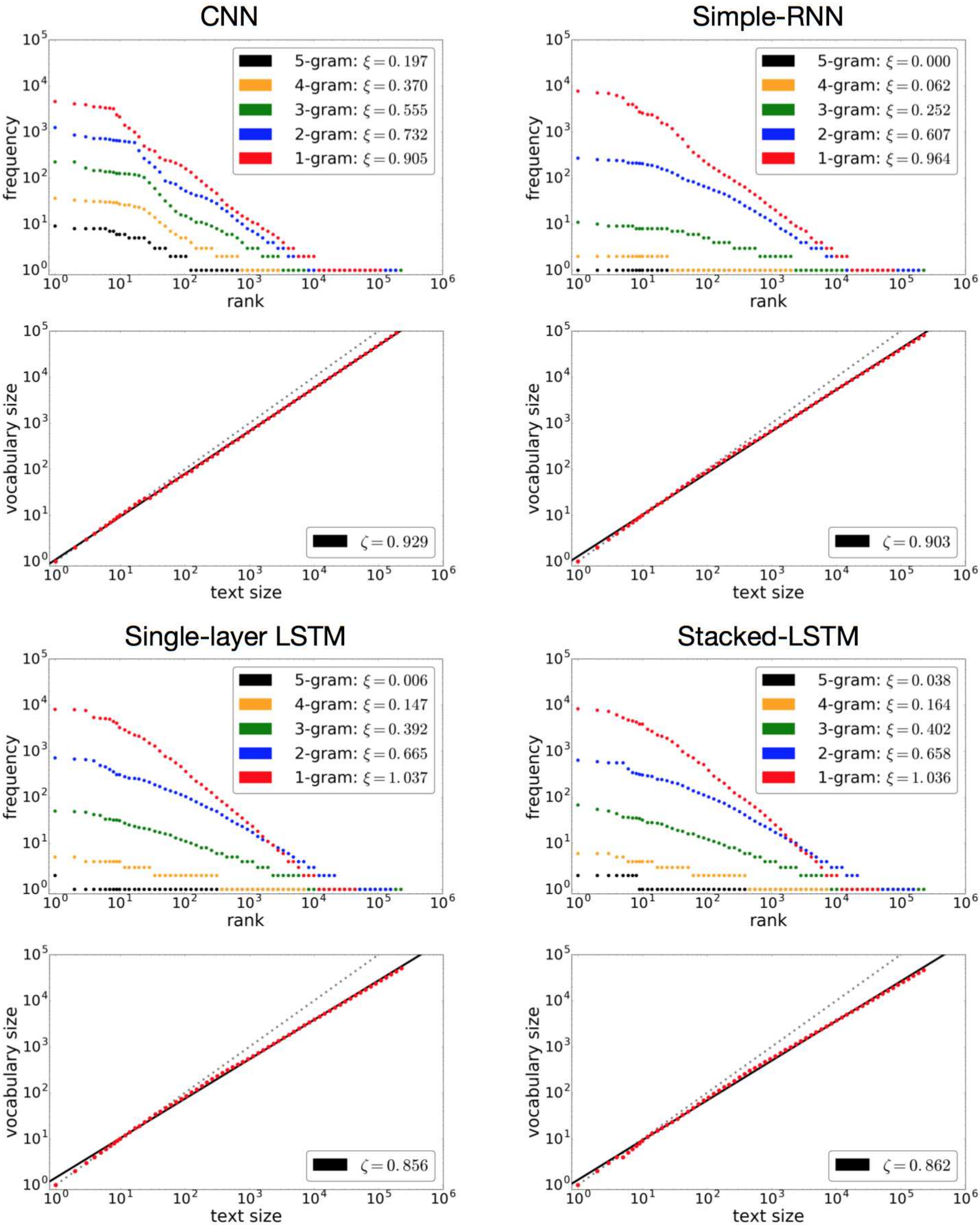
CNN
Simple-RNN
Single-layer LSTM
Stacked-LSTM
frequency
rank
vocabulary size
text size
10^0
10^1
10^2
10^3
10^4
10^5
10^6
5-gram: $\xi = 0.197$
4-gram: $\xi = 0.370$
3-gram: $\xi = 0.555$
2-gram: $\xi = 0.732$
1-gram: $\xi = 0.905$
$\zeta = 0.929$
5-gram: $\xi = 0.000$
4-gram: $\xi = 0.062$
3-gram: $\xi = 0.252$
2-gram: $\xi = 0.607$
1-gram: $\xi = 0.964$
$\zeta = 0.903$
5-gram: $\xi = 0.006$
4-gram: $\xi = 0.147$
3-gram: $\xi = 0.392$
2-gram: $\xi = 0.665$
1-gram: $\xi = 1.037$
$\zeta = 0.856$
5-gram: $\xi = 0.038$
4-gram: $\xi = 0.164$
3-gram: $\xi = 0.402$
2-gram: $\xi = 0.658$
1-gram: $\xi = 1.036$
$\zeta = 0.862$