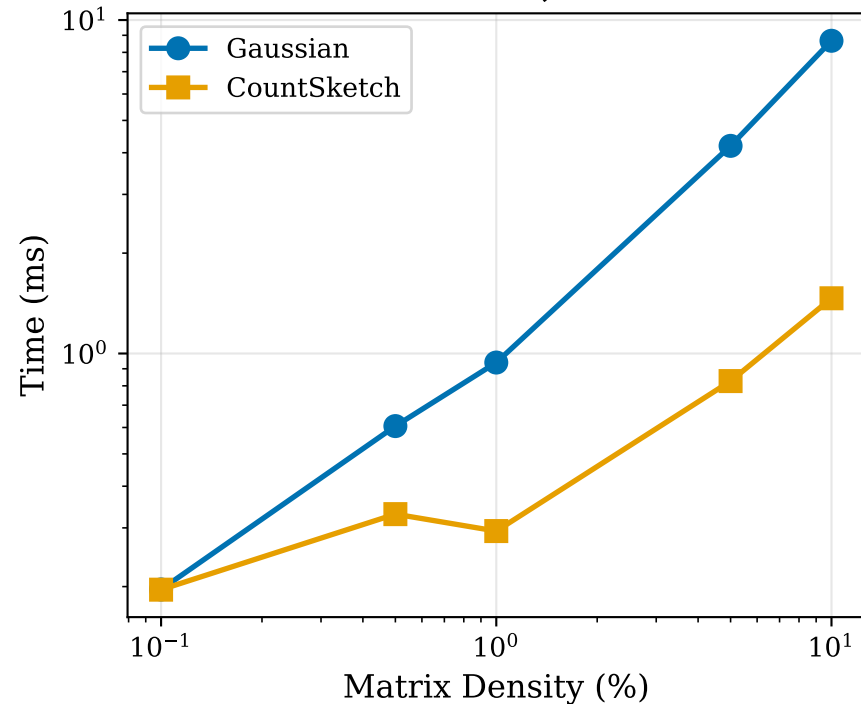
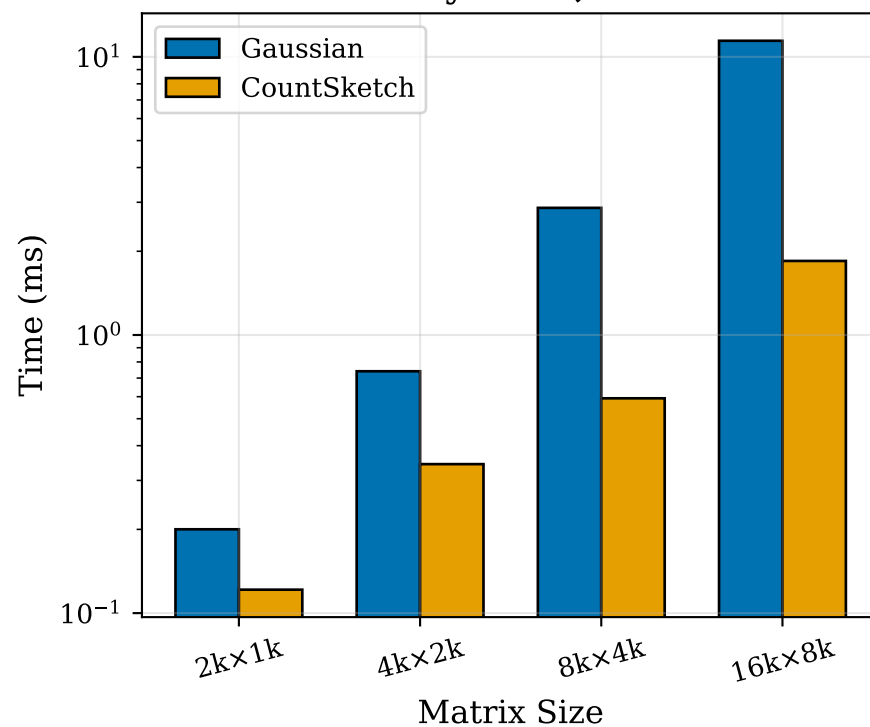


(a) Runtime vs Density 5000×2000 , $\ell = 50$ **(b) Runtime vs Size**Density = 1%, $\ell = 50$ **(c) Algorithmic Speedup**Naive Pure-Python, $n = 500$ 