NoisyAverage with Laplace mechanisms 10^{-1} \mathcal{M} satisfying 0.25-DP $\mathcal{M} \circ S$ satisfying 0.25-DP Variance of the relative error (log scale) \mathcal{M} satisfying 0.5-DP $\mathcal{M} \circ \mathcal{S}$ satisfying 0.5-DP 10^{-2} \mathcal{M} satisfying 1-DP $\mathcal{M} \circ S$ satisfying 1-DP \mathcal{M} satisfying 2-DP $\mathcal{M} \circ S$ satisfying 2-DP 10^{-3} 10^{-4} 10⁻⁵ 0.6 0.8 Sampling rate