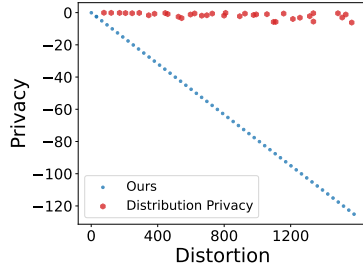
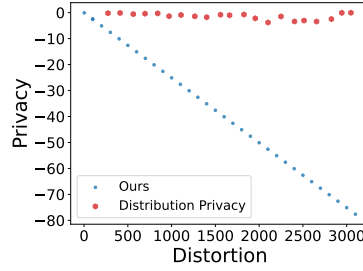


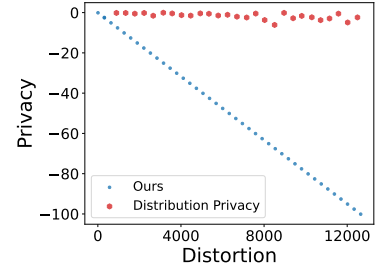
## Performance Comparison with Different Number of Secrets



(a) 10 Secrets



(b) 100 Secrets



(c) 1000 Secrets

Figure 1: Privacy and distortion (lower values are better) of Distribution Privacy and ours under union privacy with different secret number.