

F1 Score

1.0

0.8

0.6

0.4

0.2

0.0



No DP

 $z = 0.3$  $z = 0.5$  $z = 1.0$  $z = 1.3$ 

CNN

LSTM

ResNet

DenseNet

CNN  
FEMNISTLSTM  
Shakespeare

BLOND

 $\epsilon = \infty$   
 $\epsilon = 8.0$   
 $\epsilon = 2.3$   
 $\epsilon = 0.4$   
 $\epsilon = 0.2$  $\epsilon = \infty$   
 $\epsilon = 8.0$   
 $\epsilon = 2.3$   
 $\epsilon = 0.4$   
 $\epsilon = 0.2$  $\epsilon = \infty$   
 $\epsilon = 8.0$   
 $\epsilon = 2.3$   
 $\epsilon = 0.4$   
 $\epsilon = 0.2$  $\epsilon = \infty$   
 $\epsilon = 8.0$   
 $\epsilon = 2.3$   
 $\epsilon = 0.4$   
 $\epsilon = 0.2$  $\epsilon = \infty$   
 $\epsilon = 6.1$   
 $\epsilon = 2.1$   
 $\epsilon = 0.4$   
 $\epsilon = 0.3$  $\epsilon = \infty$   
 $\epsilon = 6.6$   
 $\epsilon = 2.0$   
 $\epsilon = 0.4$   
 $\epsilon = 0.3$