

Figure 1: Comparison of the R-LSVRG and R-SVRG methods in terms of gradient norm for various stepsize values: 0.0005, 0.0008, 0.001, and 0.0015. It is worth noting that convergence becomes unstable starting from the stepsize value of 0.0015.

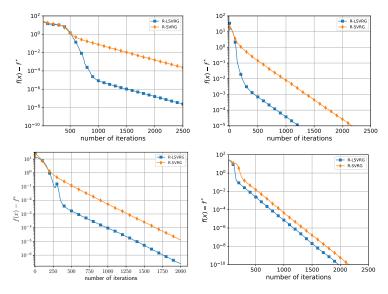


Figure 2: A comparison of the R-LSVRG and R-SVRG methods in terms of functional values for various stepsize values: 0.0005, 0.0008, 0.001, and 0.0015. Notably, convergence becomes unstable when the stepsize reaches 0.0015.