

## Peer Review – Group1\_CA4

### 1) Run decentralized gradient descent (Algorithm 1) with 10 workers.

- SVM classifier is implemented correctly, the codes are well-structured.
- It would be great if more explanations are given, e.g. why the convergence against  $R=0.1$  and  $R=100$  are the same?
- An efficient approach to improve the robustness of Algorithm 1 is clearly addressed.

### 2) Consider a two-star topology with communication graph (1,2,3,4)-5-6-(7,8,9,10) and run decentralized subgradient method.

- It would be nice if the reasons behind the plots ( $R$  differs from 1000, 10000, and 100000) are given.

### 3) Assume that we can protect only three workers in the sense that they would always send the true information. Which workers you protect in Algorithm 1 and which in the two-star topology, running decentralized subgradient method?

- Protection methods are clearly addressed.
- It could be better if specify the “other nodes” and provide reasons.