

Artificial Intelligence 4

Exercise 1b. Using 10-fold CV, you will report the three best values of k -neighbors that yield the best CV E_{out} . You will vary the values of k in the following range: $k = 1, 3, 5, \dots, 2\left(\frac{N+1}{2}\right)$. **Note: This result changes depending of the data set provided.**

Proof.

Rank 1. CV E_{out} : 0.417335791016

Rank 2. CV E_{out} : 0.203396583685

Rank 3. CV E_{out} : 0.203380933208

□

Exercise 1c. You will report the best CV E_{out}

Proof. CV E_{out} : 0.417335791016

□
