<u>Artificial Intelligence 4</u>

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:* $k = 1, 3, 5, ..., 2\left(\frac{N+1}{2}\right)$

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   □