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Assignment Number 4 Instructor: Dr. Pablo Rivas

Artificial Intelligence 4

Math 404L-111: Artificial Intelligence

Due: 2016-11-01

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: $k = 1, 3, 5, ..., 2(\frac{N+1}{2})$. Note: This result changes depending of the data set provided.

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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 $CV E_{out}$	
<i>Proof.</i> CV E_out : 0.417335791016	