STATE UNIVERSITY AT BUFFALO

Project 3 : Classification Algorithms

Yuze Liu 50207903 Luting Chen 50133507 Vicky Zheng 50037709 12/10/2016

1 K-NEAREST NEIGHBORS ALGORITHM

- 1.1 ALGORITHM DESCRIPTION
- 1.2 IMPLEMENTATION
- 1.3 RESULT EVALUATION
- 2 DECISION TREE
- 2.1 ALGORITHM DESCRIPTION
- 2.2 IMPLEMENTATION
- 2.3 RESULT EVALUATION
- 3 DECISION TREE WITH RANDOM FOREST
- 3.1 ALGORITHM DESCRIPTION
- 3.2 IMPLEMENTATION
- 3.3 RESULT EVALUATION
- 4 DECISION TREE WITH BOOSTING
- 4.1 ALGORITHM DESCRIPTION
- 4.2 IMPLEMENTATION
- 4.3 RESULT EVALUATION
- 5 NAIVE BAYES
- 5.1 ALGORITHM DESCRIPTION
- 5.2 IMPLEMENTATION
- 5.3 RESULT EVALUATION

REFERENCES

[1] Ng, Andrew Y., Michael I. Jordan, and Yair Weiss. "On spectral clustering: Analysis and an algorithm." Advances in neural information processing systems 2 (2002): 849-856.