

# Break & Quiz

Q 1-1: True or False

1. Label propagation will produce similar outcomes to  $k$  nearest neighbors when label density is high
2. Label propagation is guaranteed to recover the true labels for its unlabeled points.

- A. True and True
- B. True and False
- C. False and True
- D. False and False

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If label density is high, there will be nearby points (ie, small distances) that are labeled so LabelProp will have similar behavior to kNN.

LabelProp works only if underlying distance assumption holds---any violation of it and

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- C. 3
- D. 4

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**We needed at least three equations which requires at least three sources to be able to solve for the accuracies.**