

# Homework 3

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## Part II: Programming and Questions

1. Answer:

When  $k = 1$ , 11st and 17th examples were not correctly classified.

2. Answer:

When  $k = 1$ , the accuracy is 94.73%

3. Answer:

When  $k = 3$ , 10th, 12nd, 14th, 15th, 17th, and 38th examples were not correctly classified.

4. Answer:

When  $k = 3$ , the accuracy is 84.21%

5. Answer:

When  $k = 5$ , 10th, 12nd, 13th, 14th, 15th, 17th, 18th, 28th, and 38th examples were not correctly classified.

6. Answer:

When  $k = 3$ , the accuracy is 78.94%

7. Answer:

When using zero-R, the accuracy is 2.07%

8. Answer:

9. Answer: