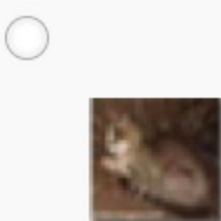**1 point**
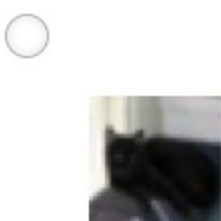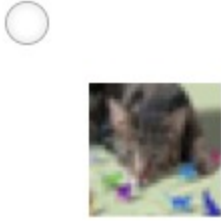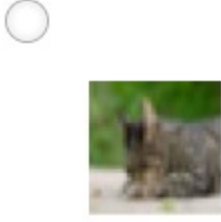
1. What's the least common category in the training data?

   ● **bird**
   ○ dog
   ○ cat
   ○ automobile

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1 point

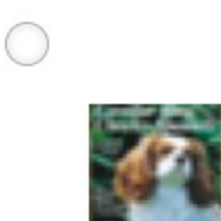2. Of the images below, which is the nearest 'cat' labeled image in the training data to the the first image in the test data (image_test[0:1])?

   ○
   ○
   ○
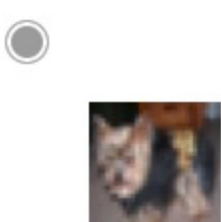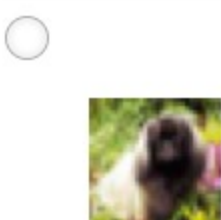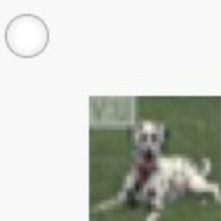   ○
   ○
   ●

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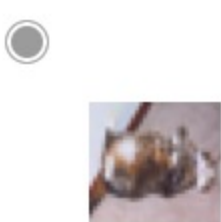
1 point

3. Of the images below, which is the nearest 'dog' labeled image in the training data to the the first image in the test data (image_test[0:1])?

   ○
   ○
   ○
   ●
   ○
   ○

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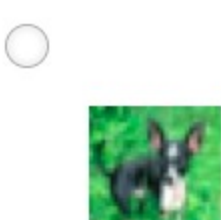
1 point

4. For the first image in the test data, in what range is the mean distance between this image and its 5 nearest neighbors that were labeled *'cat'* in the training data?

   ○ 33 to 35
   ● 35 to 37
   ○ 37 to 39
   ○ 39 to 41
   ○ Above 41

---

1 point

5. For the first image in the test data, in what range is the mean distance between this image and its 5 nearest neighbors that were labeled *'dog'* in the training data?

   ○ 33 to 35
   ○ 35 to 37
   ● 37 to 39
   ○ 39 to 41
   ○ Above 41

---

1 point

6. On average, is the first image in the test data closer to its 5 nearest neighbors in the *'cat'* data or in the *'dog'* data?

   ● cat
   ○ dog

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1 point

7. In what range is the accuracy of the 1-nearest neighbor classifier at classifying 'dog' images from the test set?

   ○ 50 to 60
   ● 60 to 70
   ○ 70 to 80
   ○ 80 to 90
   ○ 90 to 100