

← Principal Component Analysis

5/5 points (100%)

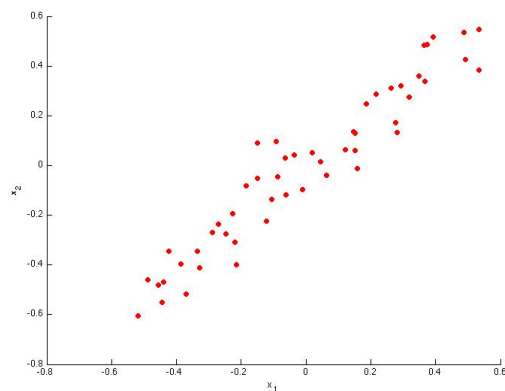
Quiz, 5 questions

✓ **Congratulations! You passed!**

Next Item

- ✓ 1. Consider the following 2D dataset:

1 / 1
points



Which of the following figures correspond to possible values that PCA may return for $u^{(1)}$ (the first eigenvector / first principal component)? Check all that apply (you may have to check more than one figure).

- ✓ 2. Which of the following is a reasonable way to select the number of principal components k ?

1 / 1
points

(Recall that n is the dimensionality of the input data and m is the number of input examples.)

- ✓ 3. Suppose someone tells you that they ran PCA in such a way that "95% of the variance was retained." What is an equivalent statement to this?

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points

- ✓ 4. Which of the following statements are true? Check all that apply.

1 / 1
points

- ✓ 5. Which of the following are recommended applications of PCA? Select all that apply.

1 / 1
points

