- _____is a type of gradient descent which processes 1 training example per iteration.

- If the cost function is convex, then it converges to a _____
  A. Global Maxima
  B. Global minima
  C. Neither maxima nor minima
  D. may be maxima or minima

- Which of the following statements is true about the learning rate alpha in gradient descent?
  - a) If alpha is very small, gradient descent will be fast to converge. If alpha is too large, gradient descent will overshoot
  - b) If alpha is very small, gradient descent can be slow to converge. If alpha is too large, gradient descent will overshoot
  - c) If alpha is very small, gradient descent can be slow to converge. If alpha is too large, gradient descent can be slow too
  - d) If alpha is very small, gradient descent will be fast to converge. If alpha is too large, gradient descent will be slow.

- Relation between euclidean distance and cosine distance is _____.

- What is dimensionality reduction?? List down its advantages and disadvantages.

- Python program to check if two given vectors are orthogonal to each other.

- Given the value of p and two vectors, write a python code to find the L_p norm.

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