Computer Vision – Week 2

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1. Let represents the input
2. The output of the hidden unit for this training case:

The output of the output unit for this training case:

1. The loss of this training case:
2. The derivative of the loss with respect to w2

1. The derivative of the loss with respect to w1
3. Euclidean distance:

Cosine similarity:

1. Because distance from A to Q is shorter than B, and similarity of A and Q is also higher than Q and B so A is more similar to Q than B



















