CSE-5368 Neural Networks Fall 2022 Quiz 05

Time: 12 Minutes

Complete the following function.

Only use numpy.

DO NOT USE Tensorflow, Keras, or any other packages.

import numpy as np

<pre>def calculate_confusion_matrix(y_hat, y):</pre>
""" Given the actual outputs and the desired output index of a neural
network, this function calculates the confusion matrix.
<pre>:param y_hat: Array of actual outputs [num_of samples,num_of classes] :param y: Array of desired (target) outputs [num_of samples]. This array includes the indexes of the desired (true) class. :return confusion_matrix[number_of_classes,number_of_classes]. Confusion matrix should be shown as the number of times that an input of class n is classified as class m."""</pre>

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