El acceso de auditoría vence el Sep 22, 2019
Perderás el acceso a este curso, incluido tu progreso, el Sep 22, 2019.

5. Predicting the Test Data

Now fill in the code for the function `predict`, which will use your trained neural network in order to label new data.

You will be working in the file `part2-nn/neural_nets.py` in this problem

Implementing Predict

0.0/5.0 puntos (calificable)

Available Functions: You have access to the NumPy python library as `np`, `rectified_linear_unit` and `output_layer_activation`

Note: Functions `rectified_linear_unit_derivative`, and `output_layer_activation_derivative` can only handle scalar input. You will need to use `np.vectorize` to use them

```
class NeuralNetwork(NeuralNetworkBase):

    def predict(self, x1, x2):

        input_values = np.matrix([[x1],[x2]])

        # Compute output for a single input(should be same as the forwa
        hidden_layer_weighted_input = # TODO
        hidden_layer_activation = # TODO
```

```
        output = # TODO
        activated_output = # TODO

        return activated_output.item()

```

Presione ESC y después TAB o haga clic afuera del editor de código para salir

Sin Responder

Enviar Ha realizado 0 de 20 intentos

When you're done, run the script and make sure that all of your predictions pass the test cases.

Discusión

Ocultar Discusión

Tema: Unit 3 Neural networks (2.5 weeks):Project 3: Digit recognition (Part 2) / 5. Predicting the Test Data

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?	Problems with max() function and array inputs Hello there! Even though the task looks pretty straightforward but I have a problem with the ...	3
?	help :(error for the output TypeError: unsupported operand type(s) for *: 'float' and 'vectorize' this is my error for the ou...	2
?	Why I did not predict 0 correctly? Could any staff check my code to see what happens in the last test: My output: (Input --> Hidd...	1
💬	What is wrong in my code Hello, What is wrong about my code please?	1
?	Why do we need the derivatives if we are just testing? I cannot get why do we need to use the derivatives of the activations if we are no longer back...	2

?	What's the problem ? return activated_output.item() ValueError: can only convert an array of size 1 to a Python scalar something seems error now: Traceback (most recent call last): File "submission.py", line 47, in...	2
?	TypeError: only size-1 arrays can be converted to Python scalars My code passes the first two tests, but not the third test. On the third test, I receive the mess...	3
?	[Staff] Grader issue with points	9
?	About test_neural_network method's condition Why is a target multiplied by 7 in condition of test_neural_network method? Where dose this ...	1
?	Are the correct answer of the 4th test truly correct? I got green ticks in all the first 3 tests, but not the last one. My answer: (Input --> Hidden Layer...	6
💬	AttributeError: 'numpy.ndarray' object has no attribute 'A' Why does your input type for W2 change, for tests 1-3 it looks like: (Hidden --> Output Layer) ...	3
?	self.bias etc are suddenly become ndarray? Hi, in trained network function, I turned self.weights and self.bias into ndarray by using .A, he...	4
?	[STAFF] My code passed in the first three tests and failed the last one. I reproduced the error locally, by inputting a (3,) matrix in hidden to output layer instead a (1,...	2
💬	Debugging I'm trying to debug my code. However the debugger specified error in line 22, while the all co...	10
💬	[Staff] Implementing Predict I got 2.5 out of 5. But I guess my code is correct because I got almost the same answers as th...	3
?	How to use rectified_linear_unit The note mentions need to use np.vectorize, however, I still don't know how to use it. The inp...	3
💬	Inconsistency in Predict Grader accepts two tests and reject the third one. The traceback is Traceback (most recent cal... Community TA	8
☑	What is the advantage of using np.vectorize ?	

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