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Bug #2

Given the issue description, and the code snippet. Please reproduce the bug, select the most appropriate edit operations and critical information needed to reproduce this bug.

To help the reproduction process, we have provided the sample edit operations here.

Original Issue Report: https://stackoverflow.com/questions/48221692/create-a-square-function-estimator-with-keras

Description

I'm still very new to neural networks. I try to achieve the following with Keras:

I have a set of data where $f(x) = x^2 + 3$. Like this

```
x f(x)
-10 103
-9.9 101.01
-9.8 99.04
-9.7 97.09
...
9.7 97.09
9.8 99.04
9.9 101.01
10 103
```

So I try to build a model that can predict values f(x) based on x. I think that must be a simple thing but I couldn't find any hint. I get only outputs ranging from 0 to 1 (I guess due to normalization?) and they also seem to be bad.

I suspect I need to somehow cater for the fact that expect an interval value as an output, not a nominal or ordinal value. Any idea?

Code Snippet: You can use this Colab notebook as the base notebook to start the reproduction process: https://colab.research.google.com/drive/1xbP-Gl1VqRzychl9pFGvrGJPWr_7Yj1E?usp=sharing

Hints:

- 1. Logs, Model and Code Snippet can be useful information for reproducing the bug.
- 2. Neural Network Construction, Import Addition, Hyperparameter Initialization, Logging, and Dataset Procurement can be useful edit actions for reproducing the bug.
- 3. Focus on the statement: "I get only outputs ranging from 0 to 1 (I guess due to normalization?) and they also seem to be bad."

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11.	What are the edit operations that could	be used to reproduce this bug?
	☐ Input Data Generation ☐ Hyperparameter Initialization ☐ Logging ☐ Compiler Error Resolution ☐ Downloading Models and Tokenizers	Neural Network Construction Import Addition and Dependency Resolution Obsolete Parameter Removal Dataset Procurement Version Migration
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