

|   | Split section   New text   New question   New question from library / other survey   |
|---|--|
| Question 4                                | Edit   Add to library   Delete   |
| 4. What are the deep learning framewo     | rks you have worked with?  |
| Tensorflow                                |  |
| PyTorch                                   |  |
| Keras                                     |  |
| Other                                     |  |
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| Question 5                                | Edit   Add to library   Delete   |
| 5. What challenges are associated with r  | reproducing deep learning bugs in your day-to-day activities?  |
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| ection 3                                  | Edit   Delete  |
|   | v.com/questions/59325381/low-accuracy-after-training-a-cnn   |
|   | e handwritten digit using Keras, but I am getting low accuracy in the training (lower than 10 ork without concolutions and it didn't work as well.               |
|   |  |
| ould anyone advice me on how to improve   |  |
| rocess: https://colab.research.google.com | ook as the base notebook to start the reproduction  1/drive/1k9dPnV43s-RSCSR3aKNkpVKxb1s97Q-d?usp=sharing  |
| Edit   Delete ]                           | New text   New question   New question from library / other surre  |
|   | New text   New question   New question from library / other survey   |
| Question 6                                | Edit   Add to library   Delete   |
| 6. What are the edit operations that cou  | lld be used to reproduce this bug?   |
|   |  |
| ☐ Input Data Generation                   | Neural Network Construction  |
| Hyperparameter Initialization             | ☐ Import Addition and Dependency Resolution  |
| Logging                                   | Obsolete Parameter Removal   |
| Compiler Error Resolution                 | Dataset Procurement  |
| Downloading Models and Tokenize           |  |
| · · ·                                     | rs Version Migration   |
|   |  |
| Question 7                                | Split section   New text   New question   New question from library / other survey   |
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| Question 7                                | Split section   New text   New question   New question from library / other survey  Edit   Add to library   Delete   |
| Question 7                                | Split section   New text   New question   New question from library / other survey  Edit   Add to library   Delete ns could prove useful in reproducing the bug? |
| Question 7                                | Split section   New text   New question   New question from library / other survey  Edit   Add to library   Delete   |

| Question 8  | Edit   Add to library   Delete  |
|---|---|
| 8. What are the critical information compone                  | ents that could help the reproducibility of this bug?   |
| ☐ Data  |   |
| Hyperparameters   |   |
| ☐ Model ☐ Code Snippet  |   |
| Logs  |   |
|   |   |
|   | Split section   New text   New question   New question from library / other surveys           |
| uestion 9   | Edit   Add to library   Delete  |
| . How do you think the selected critical info                 | rmation could be useful in reproducing the bug?   |
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| uestion 10  | Edit   Add to library   Delete  |
|   | ions or actions beyond those suggested by us? Please let us know your thoughts.               |
| . Did you implement any additional operat                     | ions or actions beyond those suggested by us? Please let us know your thoughts.               |
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| ction 4   | Edit   Delete 🛕   |
|   |   |
| ıg #2   |   |
|   | t. Please reproduce the bug, select the most appropriate edit operations and critical         |
| rmation needed to reproduce this bug.                         |   |
| nelp the reproduction process, we have provi                  | ded the sample edit operations here.  |
| inal Issue Report: https://stackoverflow.com                  | /questions/48221692/create-a-square-function-estimator-with-keras                             |
| cription:<br>still very new to neural networks. I try to ach  | siava the following with Karary   |
|   |   |
| ave a set of data where $f(x) = x^2 + 3$ . Like th            | is  |
| f(x)<br>0 103   |   |
| 9 101.01  |   |
| 8 99.04<br>7 97.09  |   |
| 97.09   |   |
| 99.04   |   |
| 101.01<br>103   |   |
| 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 |
| puts ranging from 0 to 1 (I guess due to norm                 |   |
| spect I need to somehow cater for the fact th                 | nat expect an interval value as an output, not a nominal or ordinal value. Any idea?          |
| de Snippet: You can use this Colab notebook a                 | s the base notebook to start the reproduction process:  |
| ps://colab.research.google.com/drive/1xbP-                    | Gl1VqRzychl9pFGvrGJPWr_7Yj1E?usp=sharing  |
| lit   Delete]   |   |
|   | New question $\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \$  |
| Question 11   | Edit   Add to library   Delete  |
| <ol> <li>What are the edit operations that could !</li> </ol> |   |
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| ☐ Input Data Generation                                       | ■ Neural Network Construction   |

|             | Downloading Models and Tokenizers Version Migration  |
|-------------|--|
| 0           | Split section   New text   New question   New question from library / other surve  |
| -           | Why do you think these edit operations could prove useful in reproducing the bug?  |
|             | //   |
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| Que         | estion 13 Edit   Add to library   Delet  |
| 13.         | What are the critical information components that could help the reproducibility of this bug?  Data Hyperparameters Model Code Snippet Logs  |
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|             | Split section   New text   New question   New question from library / other surve  |
| Que         | estion 15 Edit   Add to library   Delet  |
| 15.         | Did you implement any additional operations or actions beyond those suggested by us? Please let us know your thoughts.   |
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