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审阅

HISTORY

Meets Specifications

Hi

Congratulations on excellent work and completing this project! Well done and thank you for addressing all previous comments!

Writeup

The write-up / README should include a statement and supporting figures / images that explain how each rubric item was addressed, and specifically where in the code each step was handled. The write-up should include a discussion of what worked, what didn't and how the project implementation could be improved going forward.

This report should be written with a technical emphasis (i.e. concrete, supporting information and no 'hand-waiving'). Specifications are met if a reader would be able to replicate what you have done based on what was submitted in the report. This means all network architecture should be explained, parameters should be explicitly stated with factual justifications, and plots / graphs are used where possible to further enhance understanding. A discussion on potential improvements to the project submission should also be included for future enhancements to the network / parameters that could be used to increase accuracy, efficiency, etc. It is not required to make such enhancements, but these enhancements should be explicitly stated in its own section titled "Future Enhancements".

The student clearly explains each layer of the network architecture and the role that it plays in the overall network. The student can demonstrate the benefits and/or drawbacks of different network architectures pertaining to this project and can justify the current network with factual data. Any choice of configurable parameters should also be explained in the network architecture.

or configurable parameters should also be explained in the network architecture.

The student shall also provide a graph, table, diagram, illustration or figure for the overall network to serve as a reference for the reviewer.

The student explains their neural network parameters including the values selected and how these values were obtained (i.e. how was hyper tuning performed? Brute force, etc.) Hyper parameters include, but are not limited to:

- Epoch
- Learning Rate
- Batch Size
- Etc.

All configurable parameters should be explicitly stated and justified.

The student demonstrates a clear understanding of 1 by 1 convolutions and where/when/how it should be used.

The student demonstrates a clear understanding of a fully connected layer and where/when/how it should be used.

The student is able to identify the use of various reasons for encoding / decoding images, when it should be used, why it is useful, and any problems that may arise.

The student is able to clearly articulate whether this model and data would work well for following another object (dog, cat, car, etc.) instead of a human and if not, what changes would be required.

Model

The file is in the correct format (.h5) and runs without errors.

The neural network should obtain an accuracy greater than or equal to 40% (0.40) using the Intersection over Union (IoU) metric.

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