Exercícios Escrita Científica

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Este material complementa o guia de escrita científica. A ideia aqui é exercitar os conceitos visto nos vídeos.

1 Questões

Identifique potenciais melhorias e problemas nas sentenças abaixo. Por se tratar de escrita, salvo erros gramaticais, não existe uma forma exata ou fórmula fechada para melhorar os exemplos abaixo; portanto, não existe um único gabarito possível.

1. The experiments are conducted on CIFAR-10 and ImageNet datasets, using different versions of the ResNet architecture.
2. The methodology of this research is organized as follows. First, [...]. Second, [...], Finally, [...].
3. A key component in neural networks is the loss function, which plays a crucial role in the model's learning effectiveness.
4. Os resultados estão apresentados na Figura 1.
5. We consider experiments with different models, as presented in Table 1.
6. The analysis of rock and blade images plays a fundamental role in several tasks in the field of geosciences.
7. Our incremental PLS achieves superior performance in both accuracy and execution time for estimating the projection matrix, which is an important requirement for time-sensitive and resourceconstrained tasks.
8. .[...] For this purpose, we apply a process similar to Figure 4.3, which is the following.
9. The accuracy of the resulting architecture (trained from scratch) can be used to estimate its generalization ability (i.e., transferability), which is a desirable property in NAS.
10. A poda é uma maneira efetiva para melhorar o custo computacional do deep learning.
11. Our proposed method can be explained as a sequence of steps.
12. In this section, we present our method, which is illustrated in Figure 1
13. Tables of accuracies across each task are provided in Appendix A.6.
14. All code and models were implemented in PyTorch.
15. The last process is the optimization step, where unimportant and redundant layers with low impact on the model's functionality are eliminated.