CNN-Based Image Analysis for Malaria Diagnosis

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1 Summary

The authors of this paper proposed a CNN-based Deep Learning model to automatically detect malaria infected red blood cells from thin blood smears. The proposed model provides higher accuracy than the transfer learning model on the same sample microscope slides of single blood cell.

2 Strong Points

1. The dataset used to train the model is very large as compared to previous studies which used small datasets.
2. The proposed model outperforms transfer learning model in all performance indicators.
3. The CNN model has higher number of layer.

3 Weak Points

1. Does not specify limitations of the study.
2. Lacks rigorous discussion in Conclusion and Discussion section.
3. Does not mention any scope for further studies.

4 Suggestions

1. Conclusion and Discussion section must be rigorous.
2. There is a grammatical mistake in the Related Work section on line 8 (e.g. to detected). This should be corrected.
3. Dataset size must be increased for improving performance.