

Rock, Paper, Scissors: CNN for Image Classification

Greta Zehnder

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Abstract

This project aims to develop Convolutional Neural Networks (CNNs) for the classification of images in a rps dataset ... multiple models are designed, trained, and evaluated to compare performance, generalization ...

- 1 Introduction
- 2 Dataset and Exploratory Data Analysis
- 3 Data preprocessing
- 4 Methodology
 - 4.1 CNN architectures
 - 4.2 Training
 - 4.3 Hyperparameter tuning
- 5 CNN models
 - 5.1 Model A: baseline CNN
 - 5.2 Model B: enhanced/intermediate CNN
 - 5.3 Model C: final CNN
- 6 Experimental results
- 7 Model comparison
- 8 Discussion
- 9 Optional generalization test
- 10 Conclusions

This project demonstrates...

References

Declaration

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