

Accuracy Test Results for Neural Network

1. Overview

This report summarizes the accuracy test results of a neural network model. The testing was conducted using a validation dataset and the metrics evaluated include accuracy, precision, recall, and F1 score.

2. Key Metrics

Metric	Value	Remarks
Accuracy	95.2%	High performance on the test set
Precision	93.8%	Few false positives
Recall	94.5%	Good sensitivity
F1 Score	94.1%	Balanced performance

3. Test Data Summary

The test dataset consists of 10,000 samples evenly distributed across five categories. Each sample was preprocessed to match the input requirements of the neural network.

4. Accuracy by Category

Category	Accuracy	Notes
Category A	96.1%	Highest performance
Category B	94.7%	Above average
Category C	92.5%	Moderate performance
Category D	96.4%	Consistent performance
Category E	95.0%	Good results

5. Conclusion

The neural network demonstrates excellent accuracy and balanced performance across all categories. Further improvements could target minor variations in recall and precision.