



Practical Machine Learning

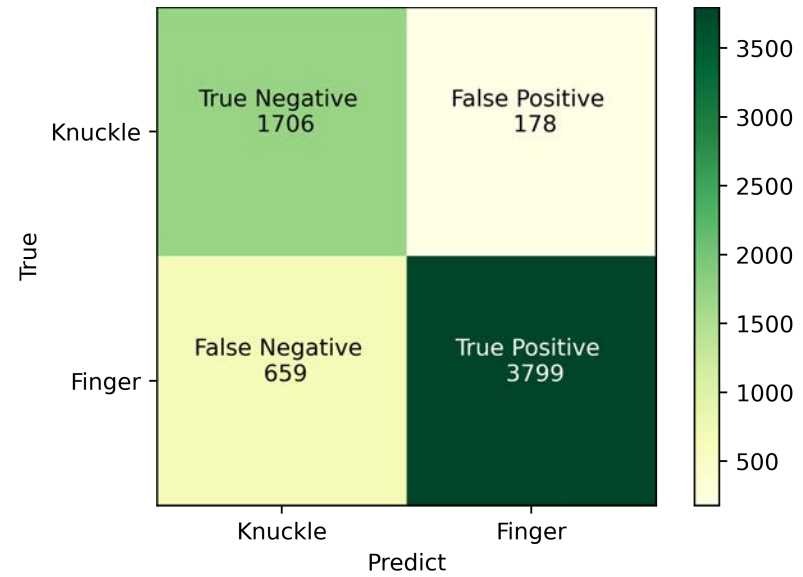
Evaluation Metrics

Evaluation Metrics

- Mean Squared Error (MSE)
- Mean Squared Logarithmic Error
- Categorical Cross Entropy
- Loss Functions

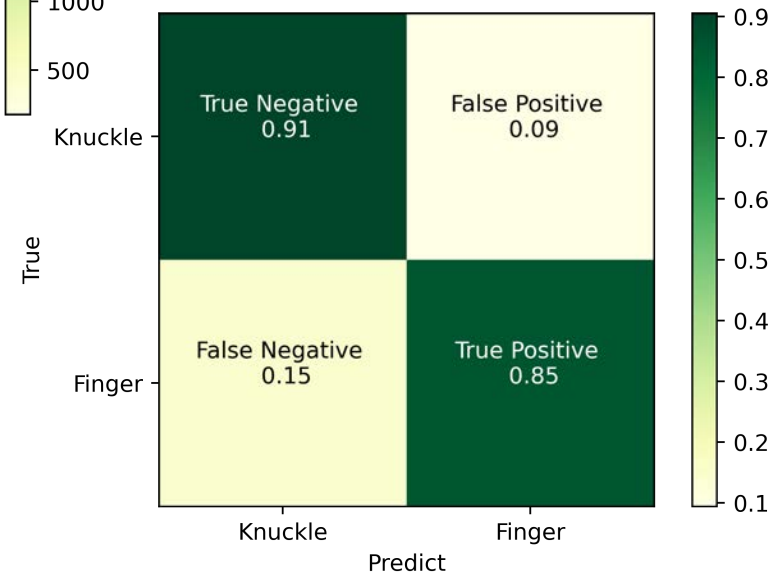
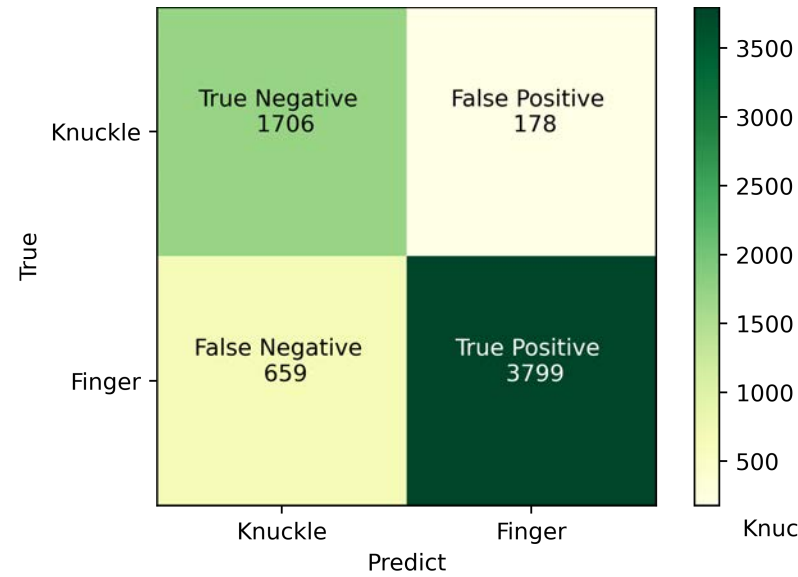
Confusion Matrix

Binary Classification



Confusion Matrix

Binary Classification



Precision, Recall, and F1 score

$$\textit{Precision} = \frac{TP}{TP + FP}$$

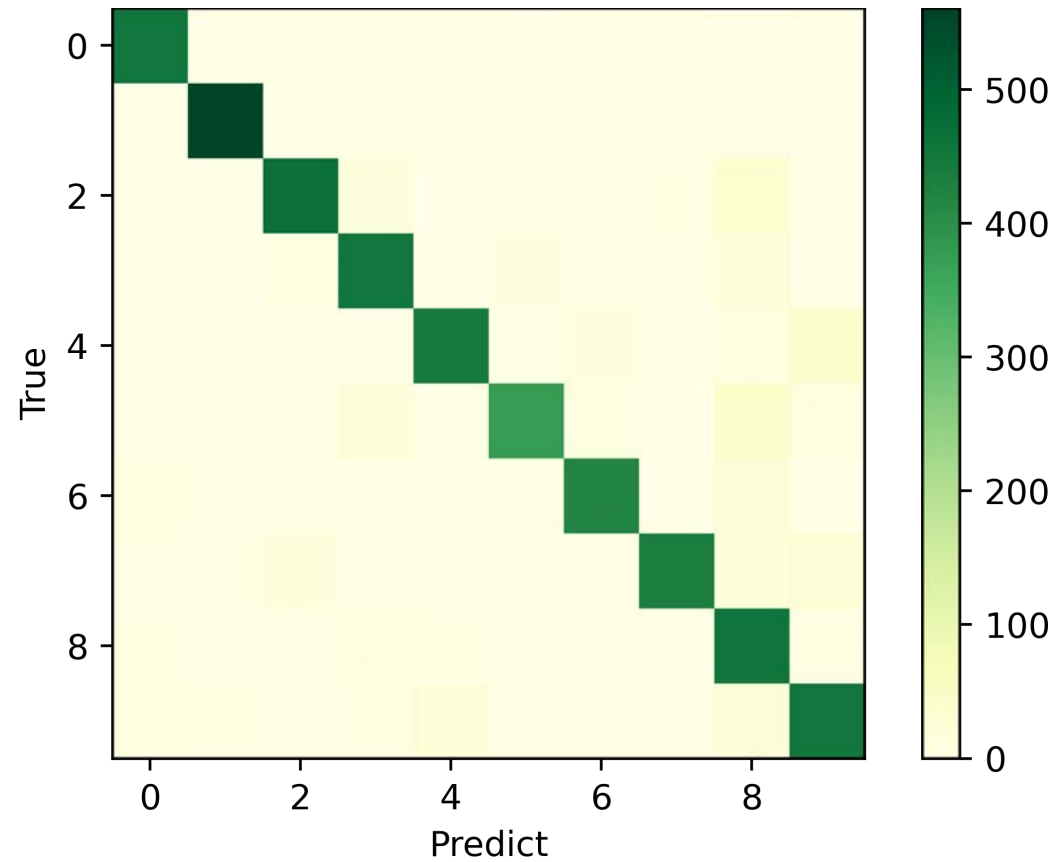
$$\textit{Recall} = \frac{TP}{TP + FN}$$

$$F1 = 2 * \frac{\textit{Precision} * \textit{Recall}}{\textit{Precision} + \textit{Recall}}$$

$$\textit{Accuracy} = \frac{TP + TN}{TN + FP + TN + TP}$$

Confusion Matrix

Multi-Class Classification



Conclusion

Evaluation Metrics

- Precision, Recall, and F1 score
- Confusion Matrix

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