

OPEN EDITORS

training_baseline.py src\baseline

evaluate_baseline.py src\baseline

predict_baseline.py src\baseline

main_app.py src\baseline

AI TRACE

models

random_forest.pkl

scaler.pkl

svm.pkl

process_data

Flatfield

Official

metadata_features.csv

results

Random_Forest_confusion_matri...

SVM_confusion_matrix.png

src

.idea

baseline

evaluate_baseline.py

main_app.py

predict_baseline.py

training_baseline.py

Requirements.txt

OUTLINE

TIMELINE

training_baseline.py

evaluate_baseline.py X

predict_baseline.py

main_app.py

src > baseline > evaluate_baseline.py > evaluate_model

1

2

3

4

5

6

7

8

import joblib

from sklearn.metrics import classification_report, confusion_matrix

import seaborn as sns

import matplotlib.pyplot as plt

import os

CSV_PATH = "C:\Users\ariji\Desktop\ai_trace\src\baseline\process_data\metadata_features.csv"

PROBLEMS

OUTPUT

DEBUG CONSOLE

TERMINAL

PORTS

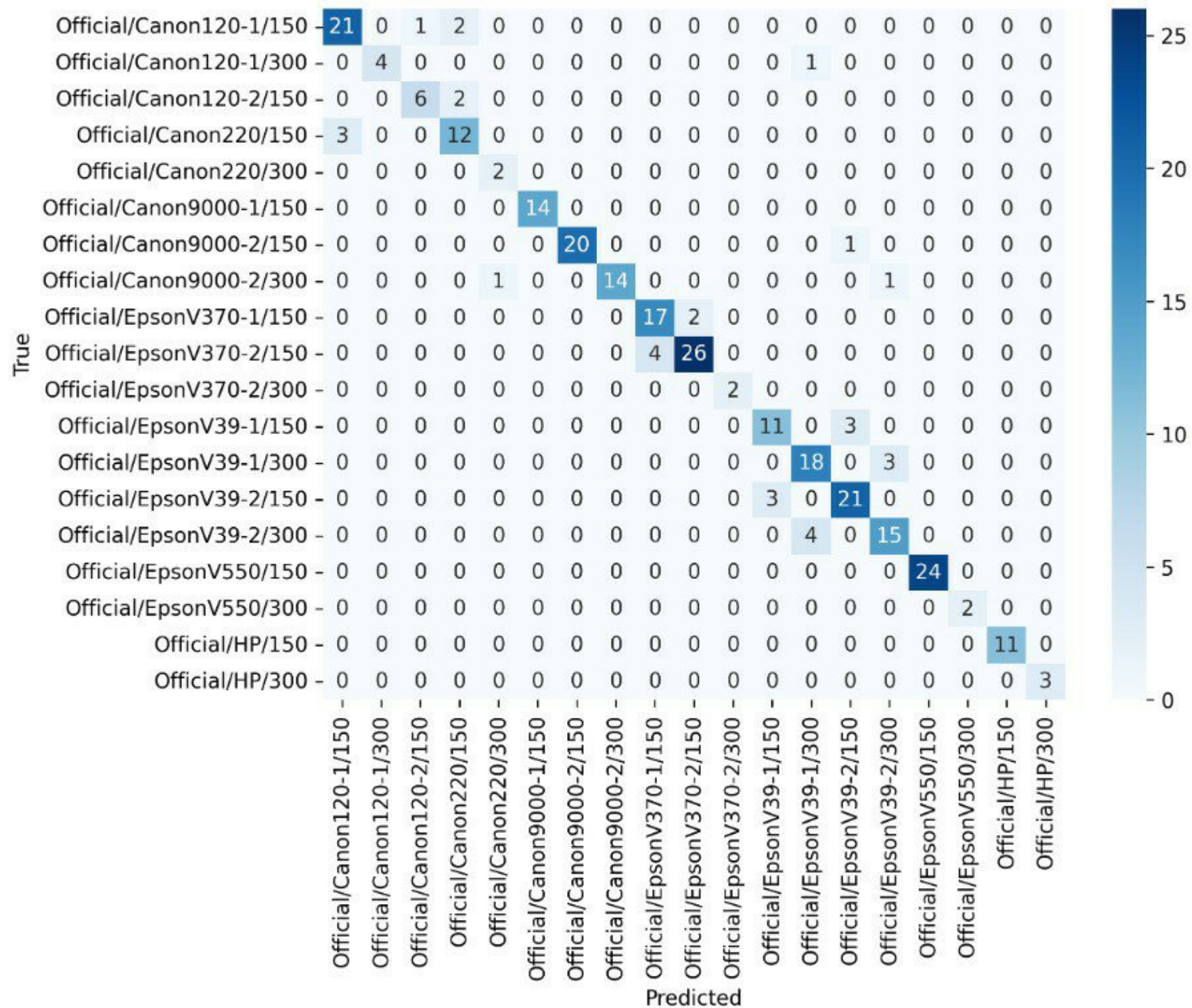
PS C:\Users\ariji\Desktop\ai_trace> python -u "c:\Users\ariji\Desktop\ai_trace\src\baseline\evaluate_baseline.py"

=== Random Forest Evaluation ===

	precision	recall	f1-score	support
Official/Canon120-1/150	0.88	0.88	0.88	24
Official/Canon120-1/300	1.00	0.80	0.89	5
Official/Canon120-2/150	0.86	0.75	0.80	8
Official/Canon220/150	0.75	0.80	0.77	15
Official/Canon220/300	0.67	1.00	0.80	2
Official/Canon9000-1/150	1.00	1.00	1.00	14
Official/Canon9000-2/150	1.00	0.95	0.98	21
Official/Canon9000-2/300	1.00	0.88	0.93	16
Official/EpsonV370-1/150	0.81	0.89	0.85	19
Official/EpsonV370-2/150	0.93	0.87	0.90	30
Official/EpsonV370-2/300	1.00	1.00	1.00	2
Official/EpsonV39-1/150	0.79	0.79	0.79	14
Official/EpsonV39-1/300	0.78	0.86	0.82	21
Official/EpsonV39-2/150	0.84	0.88	0.86	24
Official/EpsonV39-2/300	0.79	0.79	0.79	19
Official/EpsonV550/150	1.00	1.00	1.00	24
Official/EpsonV550/300	1.00	1.00	1.00	2
Official/HP/150	1.00	1.00	1.00	11
Official/HP/300	1.00	1.00	1.00	3
accuracy			0.89	274
macro avg	0.90	0.90	0.90	274
weighted avg	0.89	0.89	0.89	274

Confusion matrix saved to: results\Random_Forest_confusion_matrix.png

Random Forest Confusion Matrix



SVM Confusion Matrix

