Ten-Task Iris Tuning Capstone

1. Verify Iris class counts and measurements.
2. Make stratified 80/20 split with seed 89.
3. Fit DummyClassifier baseline.
4. Define a 24-candidate grid.
5. Run GridSearchCV with five-fold macro F1.
6. Run 12-candidate RandomizedSearchCV.
7. Inspect cv_results_ and best settings.
8. Compare CV fitting budgets and measured timing.
9. Evaluate selected method on untouched 30-row test.
10. Report method, limitations, code, versions and confusion matrix.