ML Lab 01

Layer 09

Target variable	Approach
Label 1 (Speaker)	RobustScaller() -> PCA(n_components = 0.94), SVM(c=28, kernel = rbf)
Label 2 (Age)	RobustScaller() -> PCA(n_components = 0.96), SVM(c=55, kernel = rbf, class_weight = balanced, probability = True)
Label 3 (Gender)	RobustScaller() -> PCA(n_components = 0.90), SVM(c=9, kernel = rbf, class_weight = balanced)
Label 4 (Accent)	RobustScaller() -> PCA(n_components = 0.95), SVM(c=18, kernel = rbf, class_weight = balanced)

Layer 10

Target variable	Approach
Label 1 (Speaker)	RobustScaller() -> PCA(n_components = 0.95), SVM(c=10, kernel = rbf)
Label 2 (Age)	RobustScaller() -> PCA(n_components = 0.92), SVM(c=27, kernel = rbf, class_weight = balanced, probability = True)
Label 3 (Gender)	RobustScaller() -> PCA(n_components = 0.83), SVM(c=23, kernel = rbf, class_weight = balanced)
Label 4 (Accent)	RobustScaller() -> PCA(n_components = 0.95), SVM(c=10, kernel = rbf, class_weight = balanced)