❤️ Heart Disease Prediction Dashboard

Dataset Preview

	age	gender	chest_pain	resting_BP	serum_cholestoral	fasting_blood_sugar	resting_ecg	max_
0	63	1	1	145	233	1	2	
1	67	1	4	160	286	0	2	
2	67	1	4	120	229	0	2	
3	37	1	3	130	250	0	0	
4	41	0	2	130	204	0	2	

Choose a model

Random Forest ⌄

Random Forest Performance

Accuracy: `0.639`

Classification Report

precision   recall f1-score   support

0	0.80	0.90	0.85	72
1	0.51	0.57	0.54	42
2	0.33	0.14	0.20	14
3	0.10	0.08	0.09	13
4	0.00	0.00	0.00	3

accuracy			0.64	144
macro avg	0.35	0.34	0.34	144
weighted avg	0.59	0.64	0.61	144

Confusion Matrix

	Pred Class 0	Pred Class 1	Pred Class 2	Pred Class 3	Pred Class 4
Actual Class 0	65	6	1	0	0
Actual Class 1	14	24	2	2	0
Actual Class 2	1	6	2	5	0
Actual Class 3	1	10	1	1	0
Actual Class 4	0	1	0	2	0

Multiclass Precision-Recall Curves

- Class 0 (AP=0.91)
- Class 1 (AP=0.62)
- Class 2 (AP=0.30)
- Class 3 (AP=0.29)
- Class 4 (AP=0.13)
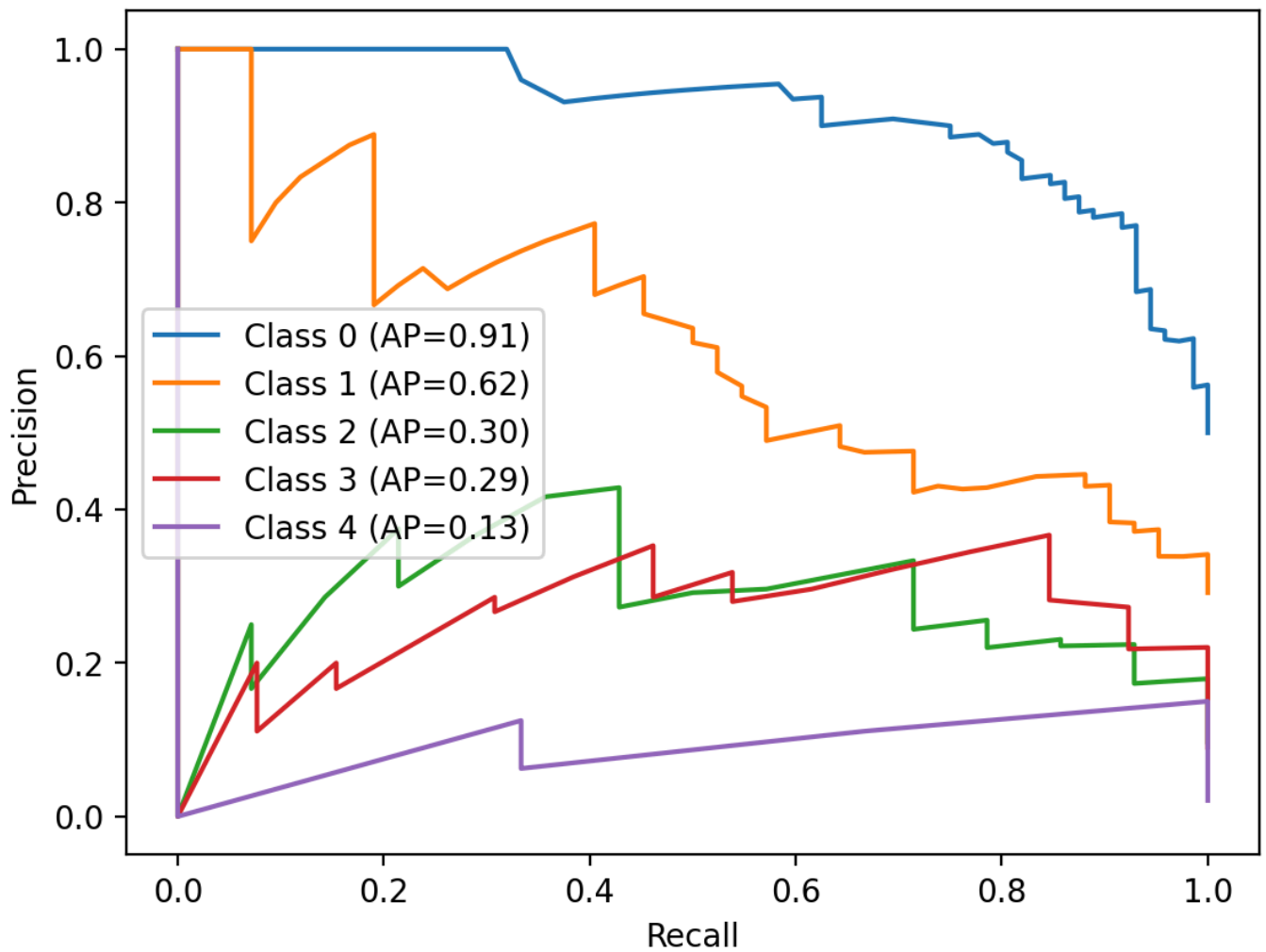
Feature Importances
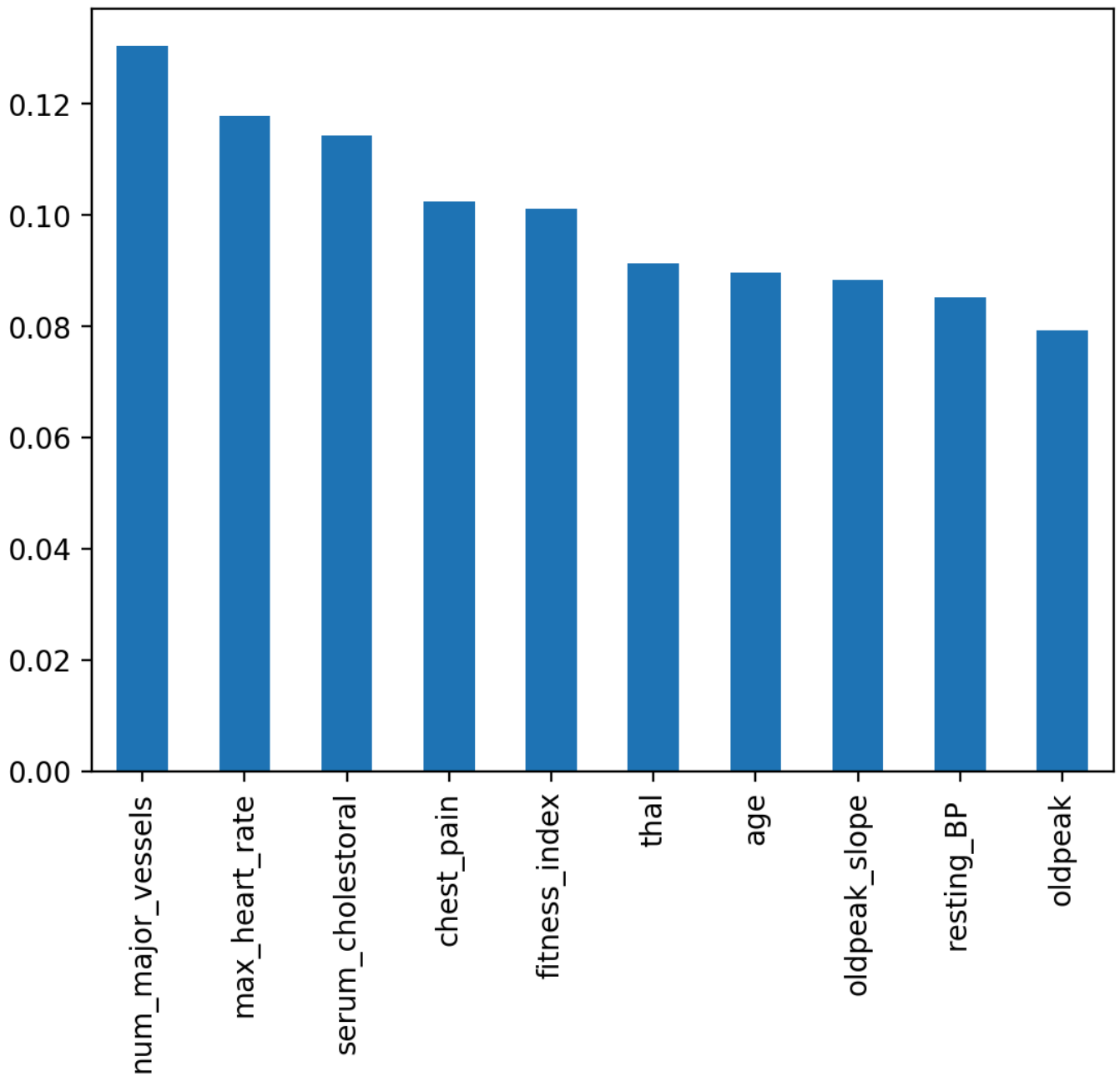
Permutation Importances