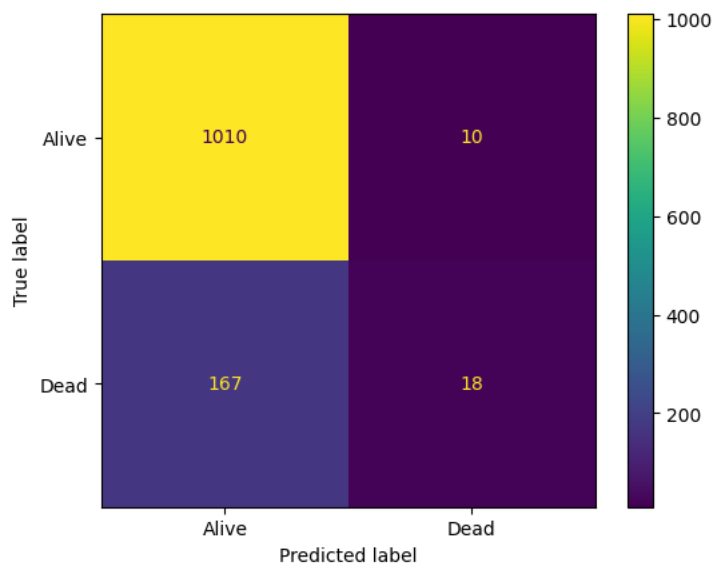
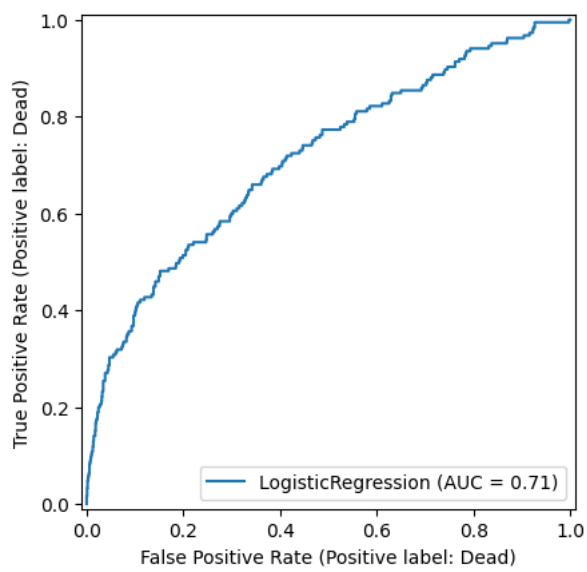


# Logistic Regression

Confusion Matric



AUC-ROC

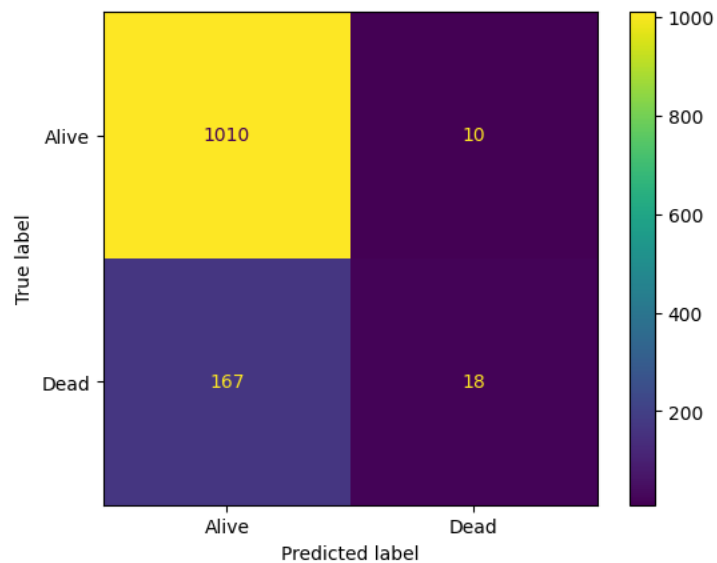


Evaluation Metrics

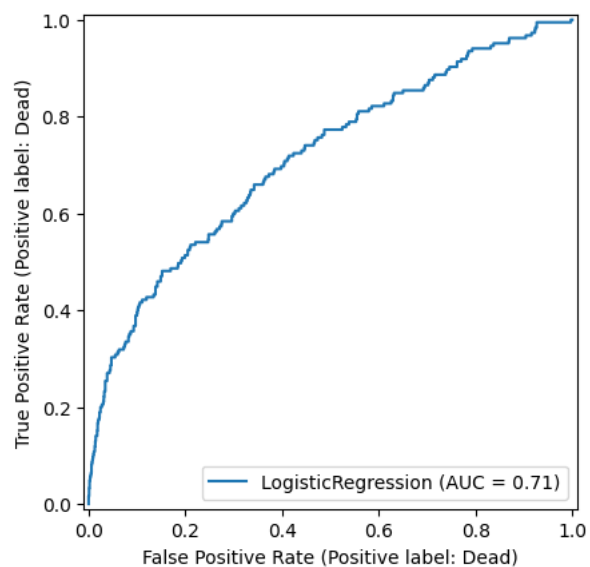
	precision	recall	f1-score	support
Alive	0.86	0.99	0.92	1020
Dead	0.64	0.10	0.17	185
accuracy			0.85	1205
macro avg	0.75	0.54	0.54	1205
weighted avg	0.83	0.85	0.80	1205

# KNN

## Confusion matrix



## AUC-ROC

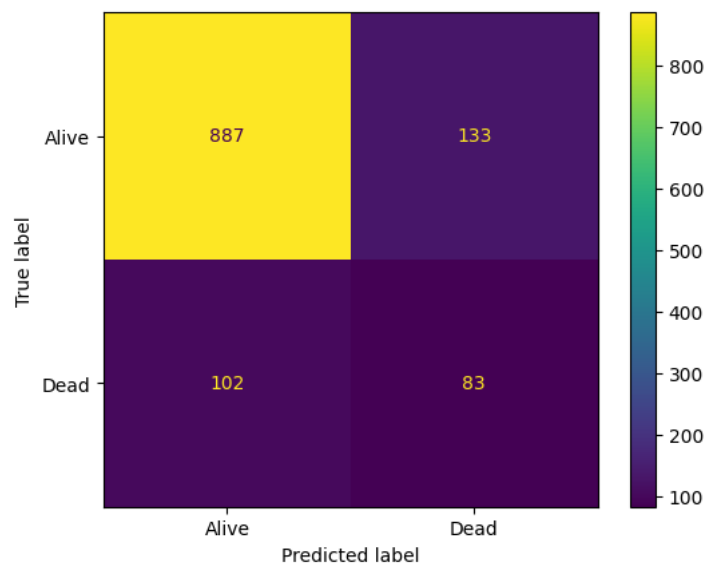


## Evaluation Metrics

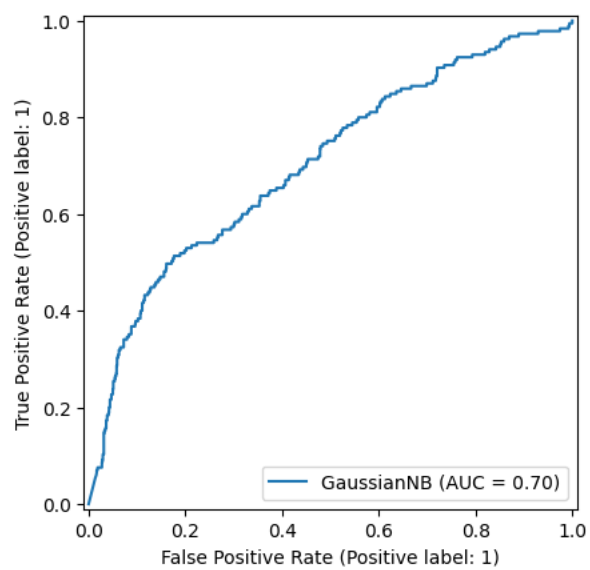
	precision	recall	f1-score	support
Alive	0.86	0.94	0.90	1020
Dead	0.33	0.17	0.22	185
accuracy			0.82	1205
macro avg	0.60	0.55	0.56	1205
weighted avg	0.78	0.82	0.79	1205

# Naïve Bayes

## Confusion Matrix



## AUC-ROC

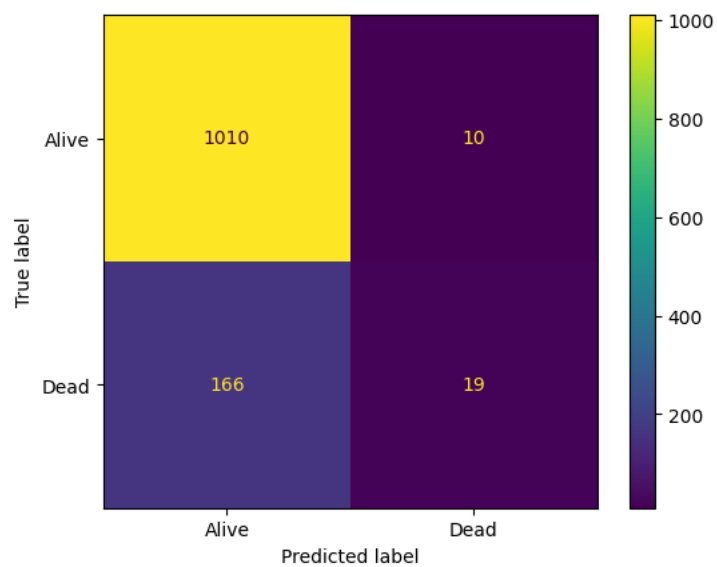


## Evaluation Metrics

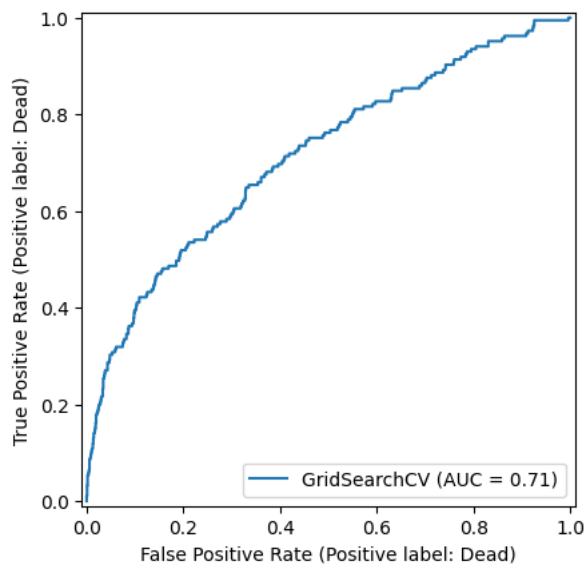
	precision	recall	f1-score	support
Alive	0.90	0.87	0.88	1020
Dead	0.38	0.45	0.41	185
accuracy			0.80	1205
macro avg	0.64	0.66	0.65	1205
weighted avg	0.82	0.80	0.81	1205

## Tuned Logistic Regression

Confusion Matrix



AUC-ROC

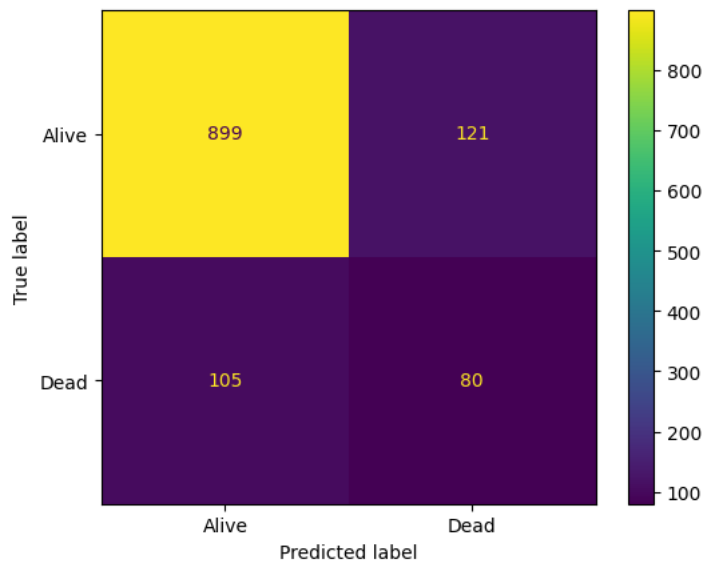


## Evaluation Metrics

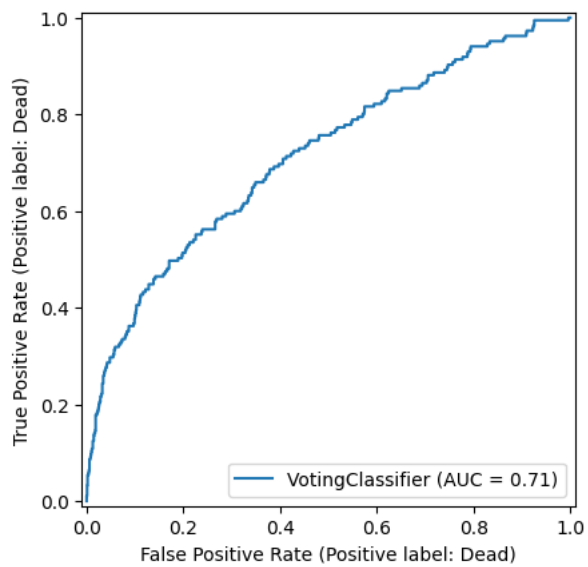
	precision	recall	f1-score	support
Alive	0.86	0.99	0.92	1020
Dead	0.66	0.10	0.18	185
accuracy			0.85	1205
macro avg	0.76	0.55	0.55	1205
weighted avg	0.83	0.85	0.81	1205

## Ensemble

### Confusion Matrix



## AUC-ROC



## Evaluation Metrics

	precision	recall	f1-score	support
Alive	0.90	0.88	0.89	1020
Dead	0.40	0.43	0.41	185
accuracy			0.81	1205
macro avg	0.65	0.66	0.65	1205
weighted avg	0.82	0.81	0.82	1205

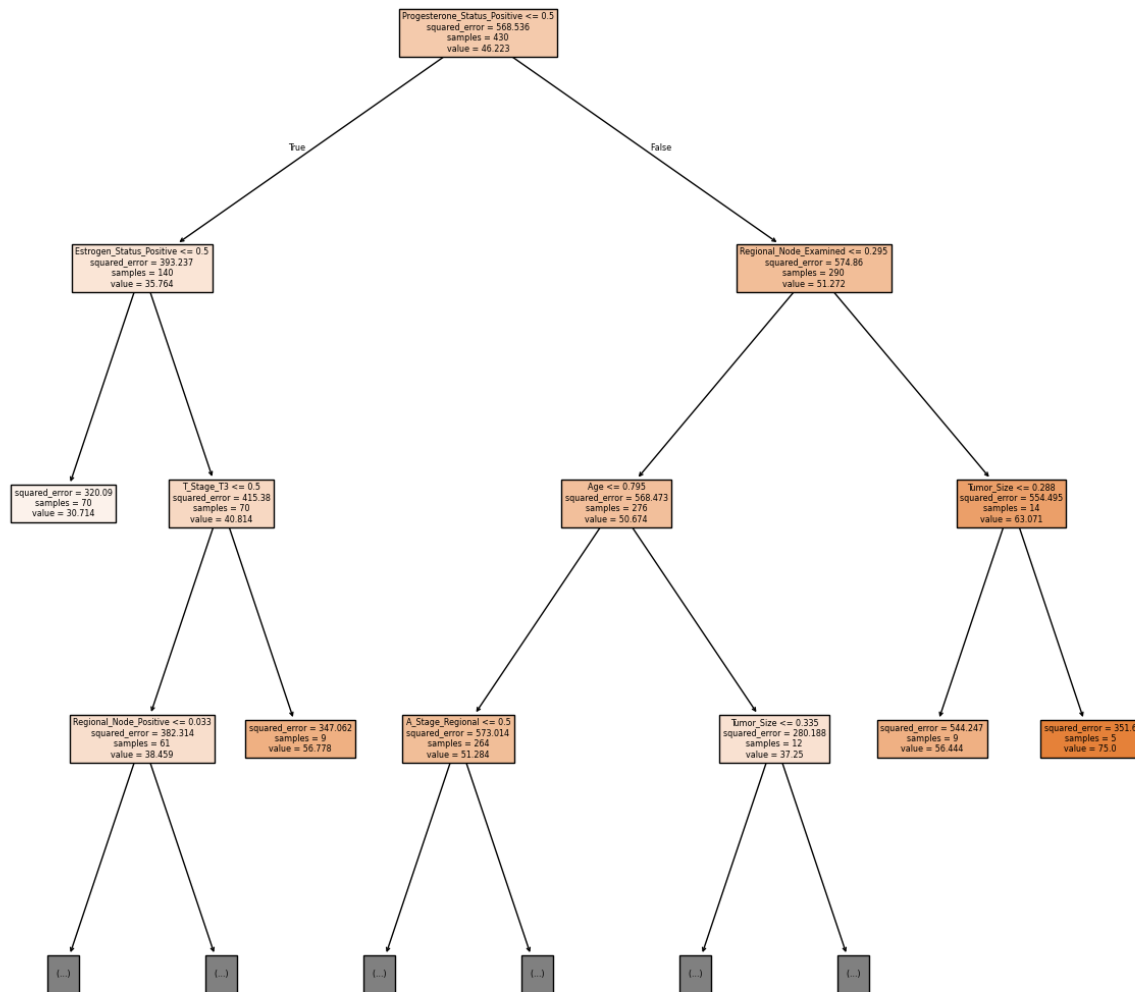
## DT Regressor



## Evaluation Metrics

Unpruned MSE is 807.5044257143425  
Unpruned MAE is 22.276168653104136

# Pruned DT Regressor



## Evaluation Metrics

Pruned MSE is 601.9509844028381  
Pruned MAE is 19.339229016029016