Evaluation Results - No Reduction
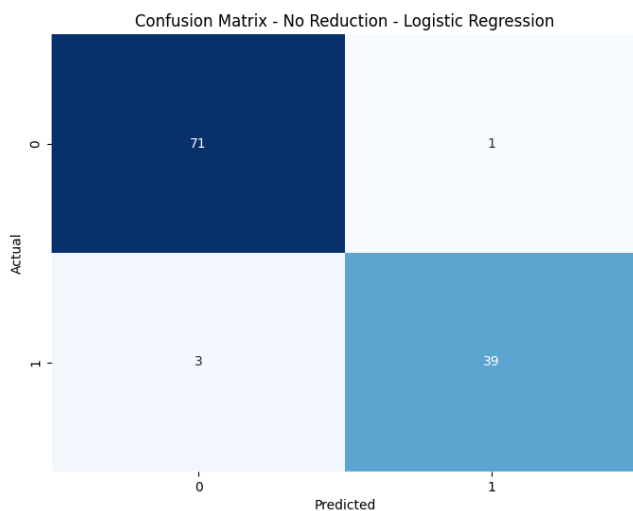
Model: Logistic Regression

Accuracy: 0.9649

Classification Report:

 0: precision: 0.96, recall: 0.99, f1-score: 0.97, support: 72.00

 1: precision: 0.97, recall: 0.93, f1-score: 0.95, support: 42.00

 macro avg: precision: 0.97, recall: 0.96, f1-score: 0.96, support: 114.00

 weighted avg: precision: 0.97, recall: 0.96, f1-score: 0.96, support: 114.00

Confusion Matrix - No Reduction - Logistic Regression
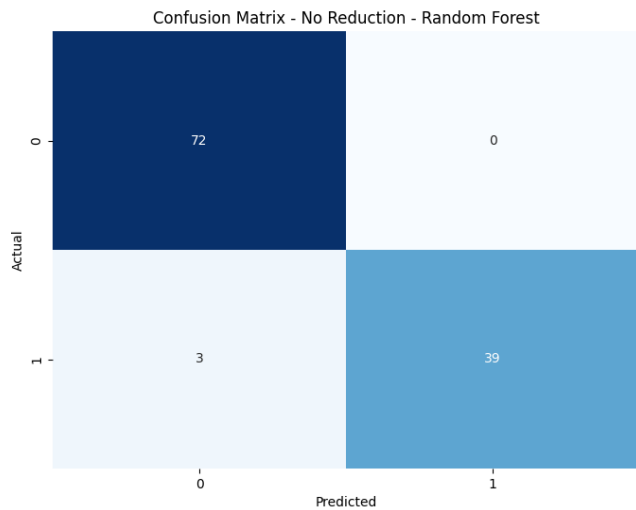
Model: Random Forest

Accuracy: 0.9737

Classification Report:

 0: precision: 0.96, recall: 1.00, f1-score: 0.98, support: 72.00

 1: precision: 1.00, recall: 0.93, f1-score: 0.96, support: 42.00

 macro avg: precision: 0.98, recall: 0.96, f1-score: 0.97, support: 114.00

 weighted avg: precision: 0.97, recall: 0.97, f1-score: 0.97, support: 114.00

Confusion Matrix - No Reduction - Random Forest

	0	1
0	72	0
1	3	39

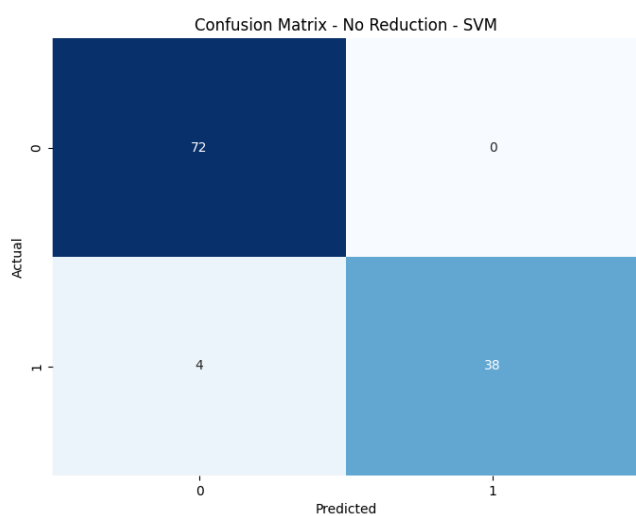**Model: SVM**

Accuracy: 0.9649

Classification Report:

  0: precision: 0.95, recall: 1.00, f1-score: 0.97, support: 72.00

  1: precision: 1.00, recall: 0.90, f1-score: 0.95, support: 42.00

  macro avg: precision: 0.97, recall: 0.95, f1-score: 0.96, support: 114.00

  weighted avg: precision: 0.97, recall: 0.96, f1-score: 0.96, support: 114.00

Confusion Matrix - No Reduction - SVM

	0	1
0	72	0
1	4	38

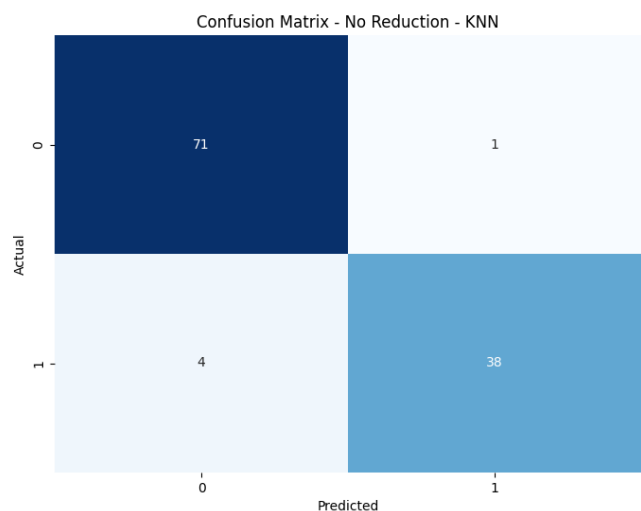**Model: KNN**

Accuracy: 0.9561

Classification Report:

 0: precision: 0.95, recall: 0.99, f1-score: 0.97, support: 72.00

 1: precision: 0.97, recall: 0.90, f1-score: 0.94, support: 42.00

 macro avg: precision: 0.96, recall: 0.95, f1-score: 0.95, support: 114.00

 weighted avg: precision: 0.96, recall: 0.96, f1-score: 0.96, support: 114.00

Confusion Matrix - No Reduction - KNN

Model: Naive Bayes

Accuracy: 0.9211

Classification Report:

 0: precision: 0.92, recall: 0.96, f1-score: 0.94, support: 72.00

 1: precision: 0.92, recall: 0.86, f1-score: 0.89, support: 42.00

 macro avg: precision: 0.92, recall: 0.91, f1-score: 0.91, support: 114.00

 weighted avg: precision: 0.92, recall: 0.92, f1-score: 0.92, support: 114.00

Confusion Matrix - No Reduction - Naive Bayes

	Predicted 0	Predicted 1
Actual 0	69	3
Actual 1	6	36