Evaluation Results - LDA

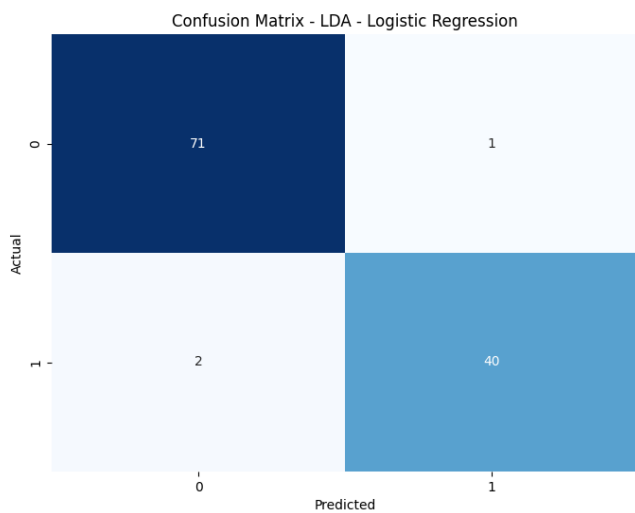## Model: Logistic Regression

Accuracy: 0.9737

Classification Report:

0: precision: 0.97, recall: 0.99, f1-score: 0.98, support: 72.00

1: precision: 0.98, recall: 0.95, f1-score: 0.96, support: 42.00

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

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

Confusion Matrix - LDA - Logistic Regression
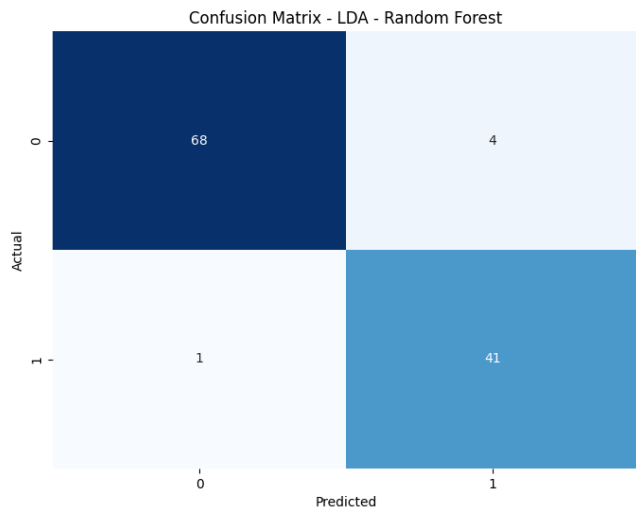
Model: Random Forest

Accuracy: 0.9561

Classification Report:

0: precision: 0.99, recall: 0.94, f1-score: 0.96, support: 72.00

1: precision: 0.91, recall: 0.98, f1-score: 0.94, support: 42.00

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

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

Confusion Matrix - LDA - Random Forest
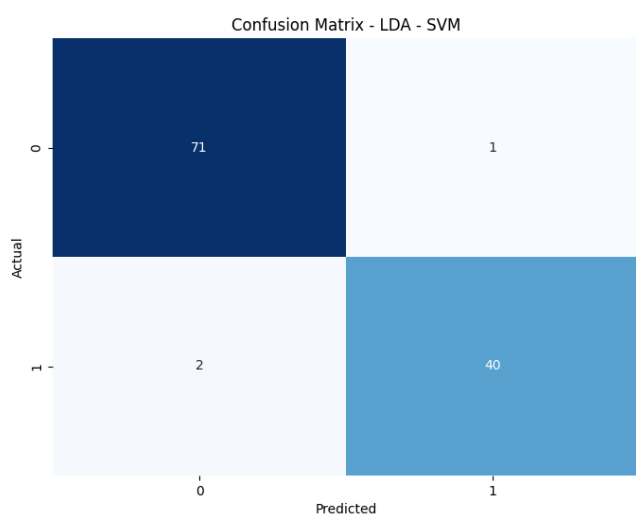
Model: SVM

Accuracy: 0.9737

Classification Report:

  0: precision: 0.97, recall: 0.99, f1-score: 0.98, support: 72.00

  1: precision: 0.98, recall: 0.95, f1-score: 0.96, support: 42.00

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

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

Confusion Matrix - LDA - SVM

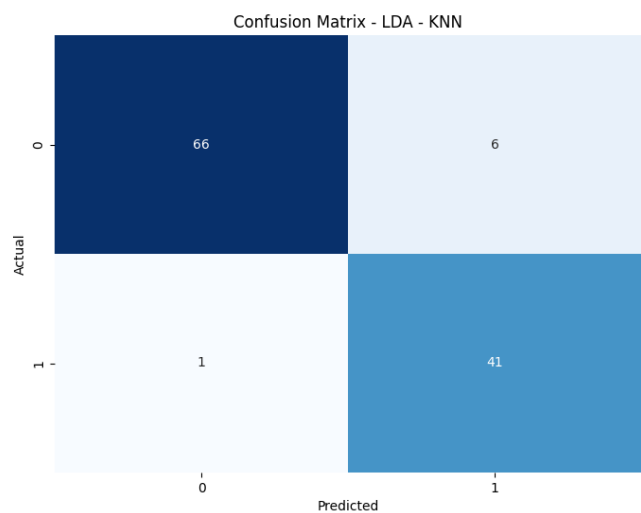**Model: KNN**

Accuracy: 0.9386

Classification Report:

 0: precision: 0.99, recall: 0.92, f1-score: 0.95, support: 72.00

 1: precision: 0.87, recall: 0.98, f1-score: 0.92, support: 42.00

 macro avg: precision: 0.93, recall: 0.95, f1-score: 0.94, support: 114.00

 weighted avg: precision: 0.94, recall: 0.94, f1-score: 0.94, support: 114.00

Confusion Matrix - LDA - KNN

Model: Naive Bayes

Accuracy: 0.9825

Classification Report:

 0: precision: 0.97, recall: 1.00, f1-score: 0.99, support: 72.00

 1: precision: 1.00, recall: 0.95, f1-score: 0.98, support: 42.00

 macro avg: precision: 0.99, recall: 0.98, f1-score: 0.98, support: 114.00

 weighted avg: precision: 0.98, recall: 0.98, f1-score: 0.98, support: 114.00

Confusion Matrix - LDA - Naive Bayes