Test Results

Logistic Regression

```
Confusion Matrix and Statistics

          Reference
Prediction No Yes
       No  79  23
       Yes 21  30

               Accuracy : 0.7124
                 95% CI : (0.6338, 0.7826)
    No Information Rate : 0.6536
    P-Value [Acc > NIR] : 0.07283

                  Kappa : 0.3592

 Mcnemar's Test P-Value : 0.88017

            Sensitivity : 0.7900
            Specificity : 0.5660
         Pos Pred Value : 0.7745
         Neg Pred Value : 0.5882
             Prevalence : 0.6536
         Detection Rate : 0.5163
   Detection Prevalence : 0.6667
      Balanced Accuracy : 0.6780

       'Positive' Class : No
```

PLSDA

```
Confusion Matrix and Statistics

          Reference
Prediction No Yes
       No  80  23
       Yes 20  30

               Accuracy : 0.719
                 95% CI : (0.6407, 0.7886)
    No Information Rate : 0.6536
    P-Value [Acc > NIR] : 0.05152

                  Kappa : 0.371

 Mcnemar's Test P-Value : 0.76037

            Sensitivity : 0.8000
            Specificity : 0.5660
         Pos Pred Value : 0.7767
         Neg Pred Value : 0.6000
             Prevalence : 0.6536
         Detection Rate : 0.5229
   Detection Prevalence : 0.6732
      Balanced Accuracy : 0.6830

       'Positive' Class : No
```

SVM

```
Confusion Matrix and Statistics

          Reference
Prediction No Yes
       No  81  22
       Yes 19  31

               Accuracy : 0.732
                 95% CI : (0.6545, 0.8003)
    No Information Rate : 0.6536
    P-Value [Acc > NIR] : 0.02367

                  Kappa : 0.4002

 Mcnemar's Test P-Value : 0.75478

            Sensitivity : 0.8100
            Specificity : 0.5849
         Pos Pred Value : 0.7864
         Neg Pred Value : 0.6200
             Prevalence : 0.6536
         Detection Rate : 0.5294
   Detection Prevalence : 0.6732
      Balanced Accuracy : 0.6975

       'Positive' Class : No
```

Random Forest

```
Confusion Matrix and Statistics

          Reference
Prediction No Yes
       No  83  22
       Yes 17  31

               Accuracy : 0.7451
                 95% CI : (0.6684, 0.812)
    No Information Rate : 0.6536
    P-Value [Acc > NIR] : 0.009661

                  Kappa : 0.4243

 Mcnemar's Test P-Value : 0.521839

            Sensitivity : 0.8300
            Specificity : 0.5849
         Pos Pred Value : 0.7905
         Neg Pred Value : 0.6458
             Prevalence : 0.6536
         Detection Rate : 0.5425
   Detection Prevalence : 0.6863
      Balanced Accuracy : 0.7075

       'Positive' Class : No
```