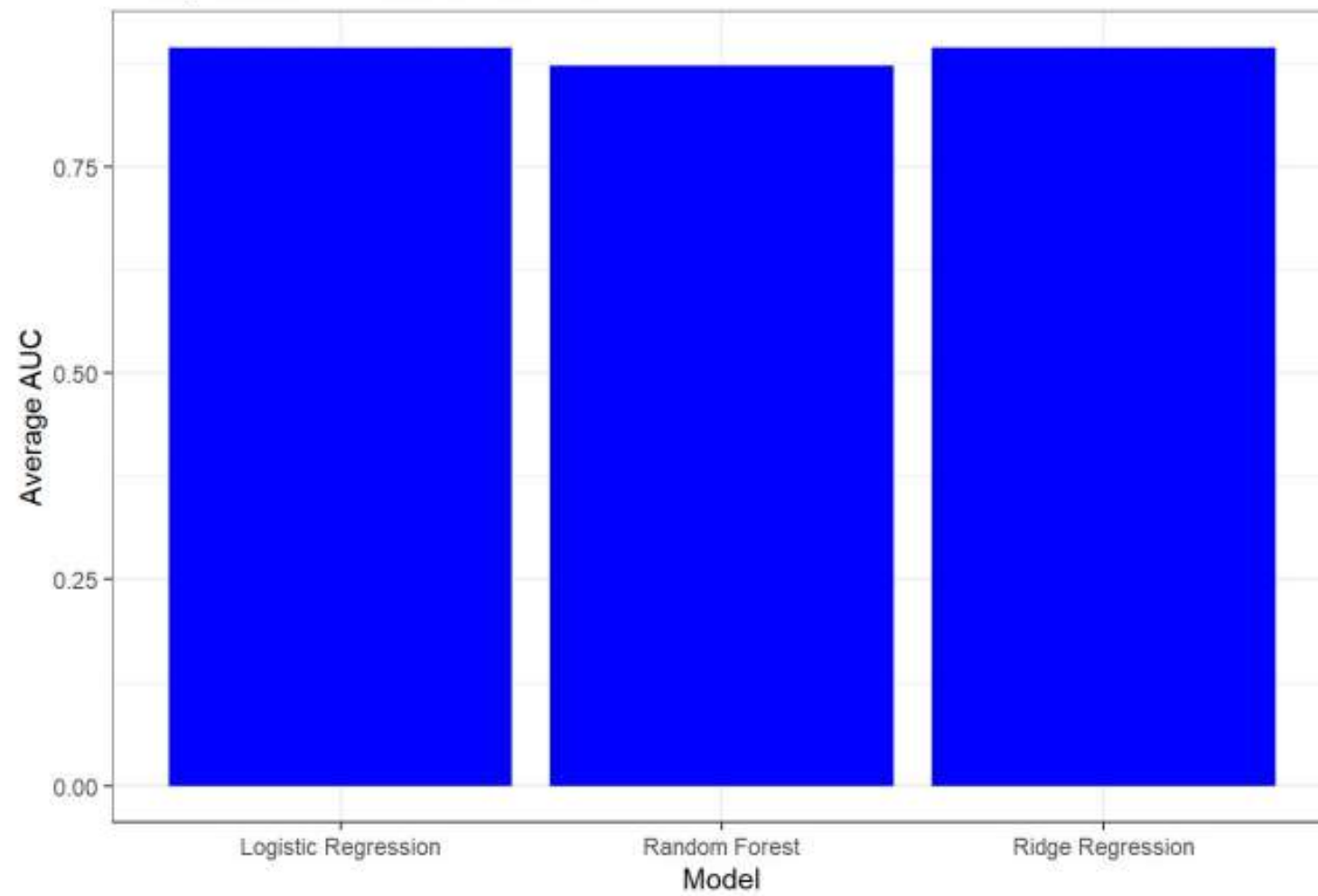


Comparison of Predictive Models

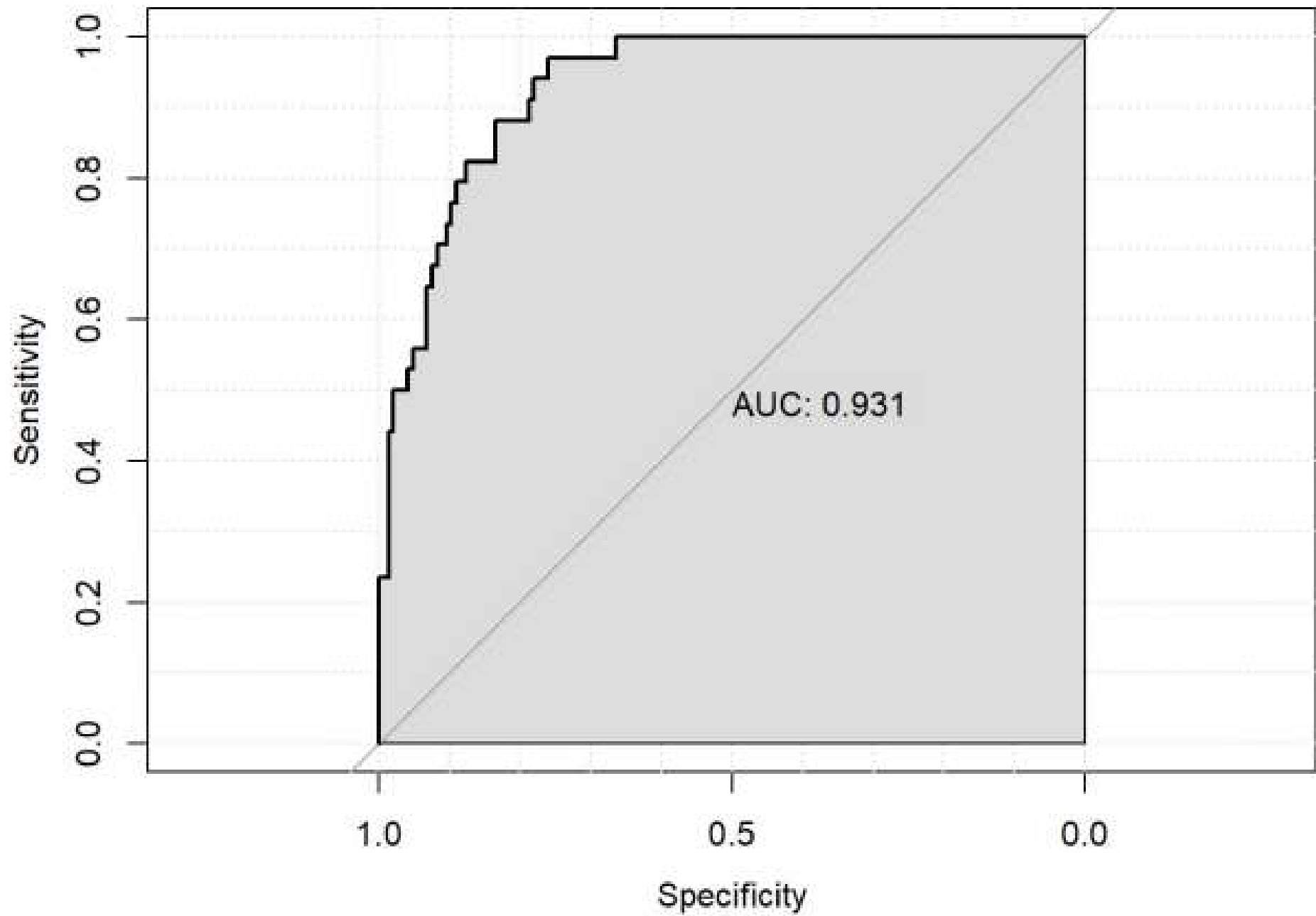


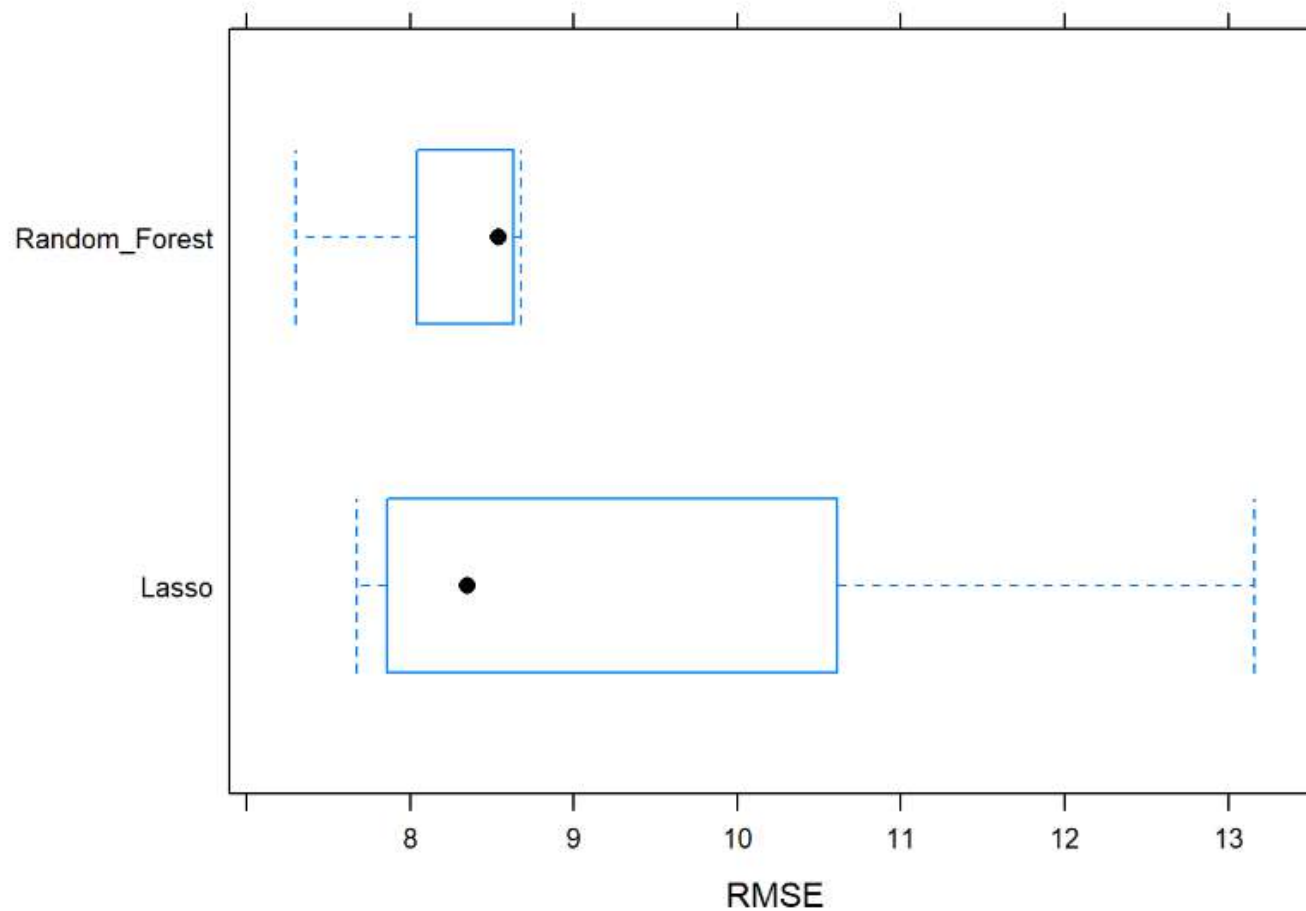
```
print(summary_table)
```

```
##           Model      AUC
## 1 Logistic Regression 0.8942460
## 2   Ridge Regression 0.8952521
## 3   Random Forest 0.8734576
```

From the plot, we can see that the Ridge Regression model has the highest AUC, followed closely by the Logistic Regression model. The Random Forest model has a slightly lower AUC compared to the other two models. Therefore, based on the average AUC values and the comparison plot, the Ridge Regression model appears to be the best predictive model among the three models considered for this analysis.

ROC Curve





Based on the results, we can see that

the Random Forest model outperforms the Lasso model in terms of MAE, RMSE, and Rsquared. It has lower average prediction errors and better explanatory power, as indicated by a higher Rsquared value. Therefore, the Random Forest model appears to be the better choice for predicting house prices in this scenario.

Predicted vs Actual

