

Model Comparison Report					
Fit and error measures					
Model	Accuracy	Accuracy_No	Accuracy_Yes	F1	AUC
DecisionTree	0.9209	0.9507	0.7739	0.9524	0.9350
StepWise	0.9165	0.9736	0.6348	0.9510	0.9692
<p><b>Model:</b> model names in the current comparison.</p> <p><b>Accuracy:</b> overall accuracy, number of correct predictions of all classes divided by total sample number.</p> <p><b>Accuracy_[class name]:</b> accuracy of Class [class name] is defined as the number of cases that are <b>correctly</b> predicted to be Class [class name] divided by the total number of cases that actually belong to Class [class name], this measure is also known as <i>recall</i>.</p> <p><b>AUC:</b> area under the ROC curve, only available for two-class classification.</p> <p><b>F1:</b> F1 score, <math>2 * precision * recall / (precision + recall)</math>. The <i>precision</i> measure is the percentage of actual members of a class that were predicted to be in that class divided by the total number of cases predicted to be in that class. In situations where there are three or more classes, average precision and average recall values across classes are used to calculate the F1 score.</p>					
Confusion matrix of DecisionTree					
		Actual_No	Actual_Yes		
Predicted_No		540	26		
Predicted_Yes		28	89		
Confusion matrix of StepWise					
		Actual_No	Actual_Yes		
Predicted_No		553	42		
Predicted_Yes		15	73		
Performance Diagnostic Plots					



