**CLASSIFICATION**

**Random Forest Classification:**

1. **What is the overall accuracy/performance of the model?**  
   The model makes correct predictions 90% of the time. (Accuracy)
2. **When the model predicts someone will buy, how often is it right?**  
   86% of the time (precision for buyers).
3. **When the model predicts someone won't buy, how often is it right?**  
   93% of the time (precision for non-buyers).
4. **Out of all real buyers, how many did the model correctly find?**  
   It found 88% of them (this is called recall for buyers).
5. **Out of all real non-buyers, how many did the model correctly find?**  
   It found 92% of them (this is called recall for non-buyers).
6. **How many buyers did the model miss?**  
   It missed 12% of the actual buyers.
7. **How many non-buyers did the model miss?**  
   It missed 8% of the actual non-buyers.
8. **How often is the model wrong when it predicts someone will buy?**  
   It is wrong 14% of the time.
9. **Which group had more examples in the data?**  
   There were more non-buyers (85) than buyers (49).
10. **How good is the model at handling both buyers and non-buyers?**  
    It is well-balanced with strong performance for both groups.
11. **What is the combined performance for buyers, considering both accuracy and coverage?**  
    The F1-score for buyers is 87%.
12. **What is the combined performance for non-buyers?**  
    The F1-score for non-buyers is 92%.