Kitchen Remodel /Human Resources Assignment

1. What is a decision tree? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
2. Give three examples of decision trees. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
3. Based on the decision tree model. What type of business should you invest in? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
4. What are the success and failure rates for the three types of businesses? \_\_\_\_\_\_\_\_\_, \_\_\_\_\_\_\_\_\_\_\_\_, \_\_\_\_\_\_\_\_\_\_
5. Explain how the copy text button works? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
6. What independent variables are considered to determine if the bid is accepted or not? \_\_\_\_\_\_\_\_\_, \_\_\_\_\_\_\_\_\_\_\_\_\_\_, \_\_\_\_\_\_\_\_\_\_\_\_\_\_, \_\_\_\_\_\_\_\_\_\_\_
7. What number is used to represent a true response? \_\_\_\_\_\_\_\_\_\_
8. What number is used to denote a negative or false response? \_\_\_\_\_\_\_\_
9. How many records are in the dataset? \_\_\_\_\_\_
10. After running the complete code, how may contracts were awarded in the random sample? \_\_\_\_\_\_\_\_\_
11. What percentage is this? \_\_\_\_\_\_\_\_\_\_\_
12. How is the number of the random sample calculated? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
13. How do you read a confusion matrix? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
14. What is a True Positive? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
15. What is a True Negative? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
16. What is a False Positive? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
17. What is a False Negative? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
18. What was the most important feature when deciding on accepting the bid? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
19. What is the least important feature when deciding on accepting the bid? \_\_\_\_\_\_\_\_\_\_\_
20. Using your prediction model answer the following questions: Will the

87500 8,1,0 bid accepted? \_\_\_\_

87500,6,1,0 bid accepted? \_\_\_

87500,8,1,1 bid accepted? \_\_\_

87500,7,1,0 bid accepted? \_\_\_

87500,7,1,1 bid accepted? \_\_\_

87500,6,0,0 bid accepted? \_\_\_

87500,8,1,0 bid accepted? \_\_\_

87000,8,1,1 bid accepted\_\_\_

1. List the True Positive numbers
2. List True Negative numbers?
3. List False Positive numbers?
4. List False Negative numbers?
5. How accurate was our model? \_\_\_\_
6. After entering 87500,6,1,0 record results.
7. After entering 87500,6,1,0 record results.
8. After entering 87500,8,1,1 record results.
9. After entering 87500,7,1,0 record results.
10. After entering 87500,7,1,1 record results.
11. After entering 87500,6,0,0 record results.
12. After entering 87500,8,1,0 record results.
13. After entering 87500,8,110 record results.
14. What did you learn from entering the numbers? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
15. What does the graph tell you? \_\_\_\_\_\_\_\_\_\_\_\_\_\_
16. What conclusions can you draw? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
17. In the human resources project record the following numbers in the prediction line and record your results?
18. 5,5,5,5,5,5,4,4,4,4 \_\_\_\_\_\_\_\_\_
19. 3,3,4,5,5,3,3,4,5,3 \_\_\_\_\_\_\_\_\_
20. 2,2,3,4,3,4,3,5,1,3 \_\_\_\_\_\_\_\_\_