Decision Tree Assignment and Evaluation Criteria

Use the *Wisconsin breast cancer* data from the Warm-up Exercises at the start of the course to develop a decision tree model to diagnose tissue samples as either malignant or benign. Provide a report and presentation on the solution, addressing the evaluation criteria below.

Grading Criteria	Analysis Components	Points	Score
Descriptive statistics of data sample	Description of data set, appropriate exploratory data analysis and data quality discussion.	5	
Decision tree solution	Clear indication and understanding of decision tree methods, appropriate methods used, clear explanation of how the tree was derived	20	
Interpretation of solution	the characterization of the solution, the relative importance of variables, clear discussion of variable interactions, informative discussion of	15	
Overall	Clear, complete, effective presentation with demonstrated understanding and extra insight	10	
Spelling, Grammar & Format	Paper and presentation are free of grammatical errors. All in-text citations and reference list are in APA format	0	
Total		**50**	