✓ **Congratulations! You passed!**

Grade received 100%   To pass 80% or higher

[Go to next item]

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1. The confusion matrix is a graphical representation of how accurate a classifier is at predicting what for a categorical variable?

   ⦿ Labels

   ○ Precision

   ○ Errors

   ○ Validity

   1 / 1 point

   ✓ **Correct**
   The confusion matrix is a graphical representation of how accurate a classifier is at predicting the labels for a categorical variable. It displays how many data points were accurately categorized by the classifier for each category. The other squares in a grid convey how many data points were misclassified.

2. Fill in the blank: _____ measures the proportion of positive predictions that were true positives.

   ○ Accuracy

   ○ Validity

   ⦿ Precision

   ○ Recall

   1 / 1 point

   ✓ **Correct**
   Precision measures the proportion of positive predictions that were true positives.

3. Which of the following provide additional information about the likelihood of a result being merely by chance? Select all that apply.

   ☐ Logit

   ☑ Confidence intervals

   1 / 1 point

   ✓ **Correct**
   The p-value and confidence intervals provide additional information about the likelihood of a result being merely by chance.

   ☐ Maximum likelihood estimation

   ☑ P-value

   ✓ **Correct**
   The p-value and confidence intervals provide additional information about the likelihood of a result being merely by chance.

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