



SEARCH



RESOURCES



CONCEPTS

- ✓ 11. Exercise: Recall
- ✓ 12. Exercise: F1 Score
- ✓ 13. Exercise: F-beta Score
- ✓ 14. ROC Curve
- ✓ 15. Exercise: Sklearn Classification
- ✓ 16. Solution: Sklearn Classification
- ✓ 17. Regression Metrics
- ✓ 18. Exercise: Sklearn Regression
- ✓ 19. Solution: Sklearn Regression
- ✓ 20. Lesson Review
- ✓ 21. Further Learning and Glossary



Mentor Help

Ask a mentor on our Q&amp;A platform

## Further Learning

- A confusion matrix, also known as an error matrix, is an important component when using machine learning. You can read this Wikipedia article on [confusion matrix](#) for examples and more information.
- [Classification metrics from Stanford's CS229 notes](#).
  - Afshine Amidi and Shervine Amidi discuss machine learning tips and tricks for classification and regression metrics.

## Glossary

Key Term	Definition
Accuracy	Accuracy is the answer to the question, Out of all the patients, how many were classified correctly?
F1-score	Metric that conveys the balance between the precision and the recall.
Mean Absolute Error(MAE)	Regression metric that adds the absolute values of the distances between the points and the line.
Mean-Squared Error (MSE)	The most used metric for optimization in regression problems. It is the average of the squares of the distances between the points and the line.
Precision	precision will be the answer to the question, Out of all the points predicted to be positive, how many of them were actually positive?
R2	Regression metric that represents the 'amount of variability captured by the model' or the average amount you miss across all the points and the R-squared is the amount of the variability in the points that you capture with a regression model based on comparing a model to the simplest possible model. If R-squared is close to 1, then the model is good