Further Learning

- A confusion matrix, also known as an error matrix, is an important compon when using machine learning. You can read this Wikipedia article on **confu** examples and more information.
- **Classification metrics from Stanford's CS229 notes.**
  - Afshine Amidi and Shervine Amidi discuss machine learning tips and t classification and regression metrics.

Glossary

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