Ensemble learning: Boosting

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Ensemble learning means looking at the group of models/algorithms rather than looking at an individual. Ensemble learning in machine learning includes **Bagging, Boosting** and **stacking.** We will focus on Boosting. Boosting is a process that uses a set of machine learning algorithms to combine weak learners to form strong learners in order to increase the accuracy of the model. Boosting is mainly divided into two parts:

1) **Gradient boosting -** It's a machine learning technique mainly used for classification and regression problems.
2) **AdaBoost -** complex meta-learning algorithm use to combine weak learners into strong ones.