

Module 21: Ensemble Techniques

Glossary

AdaBoost

Stands for adaptive boosting and is a technique that turns several weak classifiers into strong ones

Bagging

Fitting a number of decision trees on samples of the same dataset and averaging their predictions

Boosting

Adding ensemble members sequentially to correct the predictions made by previous models and producing a weighted average of the predictions

Bootstrapping

The process of drawing several samples from a single dataset using replacement

Decision Stump

A decision tree that uses only a single attribute for splitting

Wisdom of the Crowd

An idea that assumes large crowds are collectively smarter than individual experts; applied to ML/AI, the assumption is that many models will make better predictions than a single model