

إجمالي النقاط 100/100

Adaboost

In this assignment,

you are expected to conduct a research study and understand one of the most interesting ensemble algorithms - **AdaBoost**. After understanding well how this algorithm functions, you are requested to answer the below prompt questions to help us assess your understanding of the algorithm.

- Search for blogs, youtube videos, and/or articles that explain how the Adaboost algorithm functions.
- Understand its main concepts and how the weak learners collaborate to carry out a better prediction.

تم تسجيل عنوان البريد الإلكتروني للمستجيب (amirah.2566@gmail.com) عند إرسال هذا النموذج.

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* What is AdaBoost primarily used for? ✓



Feature selection ☐

Ensemble learning ☒

Data preprocessing ☐

Clustering ☐

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* Adaboost is classified as which kind of ensemble method? ✓



Bagging ☐

Boosting ☒



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How do we combine the results of individual weak learners in  ?AdaBoost



By averaging their predictions ☐

By using weighted voting ☒

By taking a majority vote ☐

By selecting the best-performing learner ☐

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* ?Can Adaboost be used for regression 



Yes ☒


No ☐

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Are there any specific ML based algorithms that should not be used in  ?Adaboost



Adaboost usually does not work with unsupervised learning algorithms ☒

 It's advisable to use Adaboost with simple learners, not with complex models such as neural networks ☒

No, it can be used with all algorithms ☐

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