Hyperparameter Tuning

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What is Hyperparameters?

Hyperparameters are model algorithm's function's parameters.

The parameters that we set in the model constructor during the initialization phase are hyperparameters.

The goal of Hyperparameter Tuning is to identify which arguments for the parameters can provide the best model .

This is achieved using GridSearch and RandomizedSearch

* Every algo has different set of Hyperparameters
* Our Goal is to identify the best Hyperparameters for the given dataset and model

This is something we can achieve using Hyperparameter Tuning

* Is Hyperparameter Tuning Mandatory?

No, if you achieve the best model using default config

Assignment 1 (50\_Startups)

You are being hired as a Data Scientist client wants

to create a model that can predict the profit of

the company based on company's location and Rd expense

Client expects the minimum accuracy of 0.92 of the deployed model

Your job is to check the feasibility of the project and create best training

and testing splits