

how to

Choose the Best ML Model



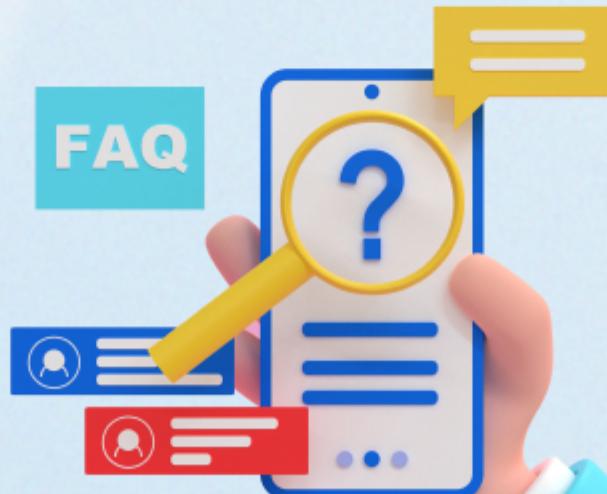
1. The Performance

Depending on the specific issue at hand, other metrics might be used to examine the model's output. For instance, popular metrics include accuracy, precision, recall, and f1-score.



2. Ease of Explanation

No matter how good the algorithm is, the results can be difficult to interpret due to the complexity of many of them.



3. Amount of Complexity

Although complexity can boost performance, it can also raise costs. Over the course of the model's existence, complex settings have an ever-increasing impact.



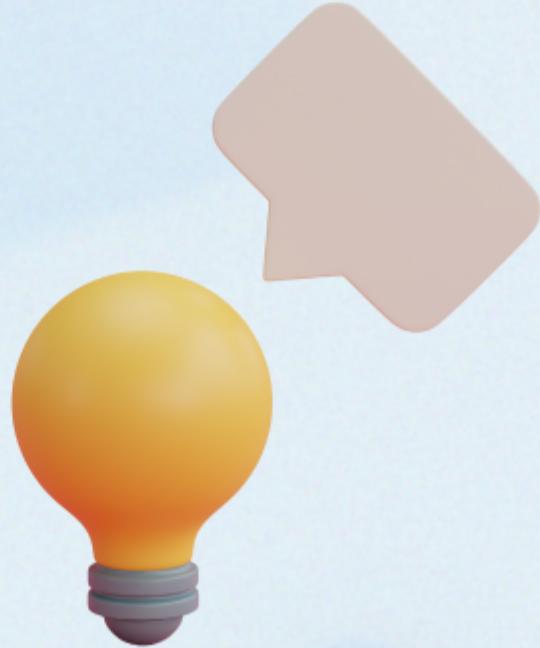
4. Size of Dataset

How much training data is available is one of the most critical considerations when selecting a model. Based on this data, choose a model that can handle your challenge and the volume of data.



5. A Dimension Based Perspective

The features in the dataset are represented by the horizontal dimensions. Model selection is influenced by the vertical dimension. In many cases, a model with more characteristics will result in better answers by taking the horizontal dimension into account.



6. The inference time

Do predictions and models take a long time?

For instance, KNN predictions demand a significant amount of processing during inference time.



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