GRID SEARCH CV API SUMMARY

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Grid search cross-validation is the process of performing hyperparameter tuning in order to determine the optimal values for a given model. The performance of a model significantly depends on the value of hyperparameters.

sklearn.model_selection.GridSearchCV

```
class sklearn.model_selection.GridSearchCV(estimator, param_grid, *,
scoring=None, n_jobs=None, refit=True, cv=None, verbose=0,
pre_dispatch='2*n_jobs', error_score=nan, return_train_score=False)
```

PARAMETERS:

- estimator: estimator object.
- param_grid:dict or list of dictionaries
- scoring: str, callable, list, tuple or dict, default=None
- n_jobs:int, default=None
- refit:bool, str, or callable, default=True
- cv:int, cross-validation generator or an iterable, default=None
- verbose: int
- pre_dispatch:int, or str, default=n_jobs
- error_score:‘raise’ or numeric, default=np.nan
- return_train_score:bool, default=False

ATTRIBUTES:

- cv_results_:dict of numpy (masked) ndarrays
- best_estimator_:estimator
- best_score_:float
- best_params_:dict
- best_index_:int
- scorer_:function or a dict
- n_splits_:int
- refit_time_:float
- multimetric_:bool