

Sklean이 제공하는 모든 알고리즘 확인

```
from sklearn.utils import all_estimators
from pandas import DataFrame
```

```
filterType = ['classifier', 'regressor', 'cluster', 'transformer']
mylist = []

for f in filterType:
    allAlgorithms = all_estimators(type_filter=f)

    for name, package in allAlgorithms:
        cls = str(package)
        x = cls.find('"')
        y = cls.rfind('"')
        clsName = cls[x+1:y]

        if clsName.find("._") > -1:
            continue

        mylist.append({"type": f, "name": name, "class": clsName})

df = DataFrame(mylist)
df
```

	type	name	class
0	classifier	BernoulliNB	sklearn.naive_bayes.BernoulliNB
1	classifier	CalibratedClassifierCV	sklearn.calibration.CalibratedClassifierCV
2	classifier	CategoricalNB	sklearn.naive_bayes.CategoricalNB
3	classifier	ClassifierChain	sklearn.multioutput.ClassifierChain
4	classifier	ComplementNB	sklearn.naive_bayes.ComplementNB
5	classifier	DummyClassifier	sklearn.dummy.DummyClassifier
6	classifier	GaussianNB	sklearn.naive_bayes.GaussianNB
7	classifier	LinearDiscriminantAnalysis	sklearn.discriminant_analysis.LinearDiscrimina...
8	classifier	MultiOutputClassifier	sklearn.multioutput.MultiOutputClassifier
9	classifier	MultinomialNB	sklearn.naive_bayes.MultinomialNB
10	classifier	OneVsOneClassifier	sklearn.multiclass.OneVsOneClassifier
11	classifier	OneVsRestClassifier	sklearn.multiclass.OneVsRestClassifier
12	classifier	OutputCodeClassifier	sklearn.multiclass.OutputCodeClassifier
13	classifier	QuadraticDiscriminantAnalysis	sklearn.discriminant_analysis.QuadraticDiscrim...

	type	name	class
14	regressor	DummyRegressor	sklearn.dummy.DummyRegressor
15	regressor	IsotonicRegression	sklearn.isotonic.IsotonicRegression
16	regressor	KernelRidge	sklearn.kernel_ridge.KernelRidge
17	regressor	MultiOutputRegressor	sklearn.multioutput.MultiOutputRegressor
18	regressor	RegressorChain	sklearn.multioutput.RegressorChain
19	transformer	AdditiveChi2Sampler	sklearn.kernel_approximation.AdditiveChi2Sampler
20	transformer	FeatureUnion	sklearn.pipeline.FeatureUnion
21	transformer	GaussianRandomProjection	sklearn.random_projection.GaussianRandomProjec...
22	transformer	HashingVectorizer	sklearn.feature_extraction.text.HashingVectorizer
23	transformer	IsotonicRegression	sklearn.isotonic.IsotonicRegression
24	transformer	LinearDiscriminantAnalysis	sklearn.discriminant_analysis.LinearDiscrimina...
25	transformer	Nystroem	sklearn.kernel_approximation.Nystroem
26	transformer	PatchExtractor	sklearn.feature_extraction.image.PatchExtractor
27	transformer	PolynomialCountSketch	sklearn.kernel_approximation.PolynomialCountSk...
28	transformer	RBFSampler	sklearn.kernel_approximation.RBFSampler
29	transformer	SkewedChi2Sampler	sklearn.kernel_approximation.SkewedChi2Sampler
30	transformer	SparseRandomProjection	sklearn.random_projection.SparseRandomProjection
31	transformer	TfidfTransformer	sklearn.feature_extraction.text.TfidfTransformer