

```
In [4]: from sklearn.datasets import load_iris
```

```
In [27]: data = load_iris()  
df = data.data  
data.data
```

```
Out[27]: array([[5.1, 3.5, 1.4, 0.2],  
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[5.5, 2.6, 4.4, 1.2],  
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```

```
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[6.7, 3. , 5.2, 2.3],  
[6.3, 2.5, 5. , 1.9],  
[6.5, 3. , 5.2, 2. ],  
[6.2, 3.4, 5.4, 2.3],  
[5.9, 3. , 5.1, 1.8]])
```

```
In [29]: x = data.data
```

```
In [30]: y = data.target
```

```
In [31]: from sklearn.model_selection import KFold
```

```
In [43]: kfold = KFold(n_splits=20, random_state=2)
```

```
C:\Users\Aswathi Achu\anaconda3\lib\site-packages\sklearn\model_selection\_split.py:293:  
FutureWarning: Setting a random_state has no effect since shuffle is False. This will ra  
ise an error in 0.24. You should leave random_state to its default (None), or set shuffl  
e=True.
```

```
warnings.warn(
```

```
In [44]: from sklearn.ensemble import AdaBoostClassifier  
from sklearn.model_selection import cross_val_score
```

```
In [45]: model = AdaBoostClassifier(n_estimators=20, random_state=2)
```

```
In [46]: result = cross_val_score(model, x,y, cv=kfold)
```

```
In [47]: result.mean()
```

```
Out[47]: 0.9375000000000002
```

```
In [ ]:
```