	label
count	5572.000000
mean	0.134063

```
df.shape
```

```
(5572, 5)
```

| **25%** | 0.000000 |

```
df["label"].value_counts().plot(kind="bar",figsize=(12,6))
plt.xticks(np.arange(2),('Non spam','spam'),rotation=0);
```
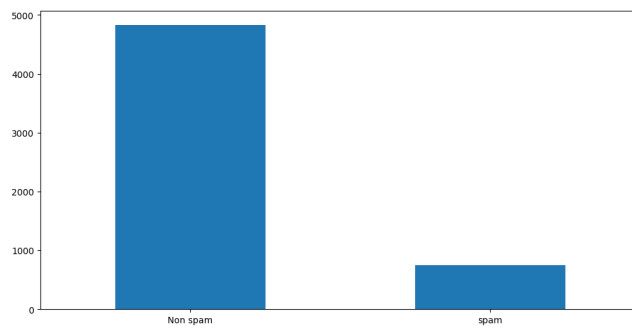


```
from sklearn.tree import DecisionTreeClassifier
model=DecisionTreeClassifier()
model.fit(x_train_res,y_train_res)
```

```
DecisionTreeClassifier
```