

224 lines (224 sloc) | 9.43 KB

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```
In [1]: from sklearn import datasets
```

```
In [2]: cancer = datasets.load_breast_cancer()
```

```
In [3]: cancer.data.shape
```

```
Out[3]: (569, 30)
```

```
In [4]: from sklearn.model_selection import train_test_split
```

```
In [5]: X_train, X_test, y_train, y_test = train_test_split(cancer.data, cancer.target, test_size=0.3, random.
```

```
In [6]: from sklearn import svm
```

```
In [7]: clf = svm.SVC(kernel='linear')
```

```
In [8]: clf.fit(X_train, y_train)
```

```
Out[8]: SVC(kernel='linear')
```

In a Jupyter environment, please rerun this cell to show the HTML representation or trust the notebook.

On GitHub, the HTML representation is unable to render, please try loading this page with nbviewer.org.

```
In [9]: y_pred = clf.predict(X_test)
```

```
In [10]: from sklearn import metrics
```

```
In [11]: print("Accuracy:", metrics.accuracy_score(y_test, y_pred))
```

```
Accuracy: 0.9649122807017544
```

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In [ ]:
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In [ ]:
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In [ ]:
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