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Preprocessing Categorical Features

20 Dec 2017

Often, machine learning methods (e.g. logistic regression, SVM with a linear kernel, etc) will require that categorical variables be converted into dummy variables (also called OneHot encoding). For example, a single feature Fruit would be converted into three features, Apples, Oranges, and Bananas, one for each category in the categorical feature.

There are common ways to preprocess categorical features: using pandas or scikit-learn.

Preliminaries

```
from sklearn import preprocessing
from sklearn.pipeline import Pipeline
import pandas as pd
```

Create Data

		first_name	last_name	age	city
	0	.lason	Miller	42	San Francisco

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