Want to learn machine learning? Use my machine learning flashcards (https://machinelearningflashcards.com).

Convert Pandas Categorical Data For Scikit-Learn

30 November 2016 / Machine Learning / Preprocessing Structured Data

Preliminaries

```
# Import required packages
from sklearn import preprocessing
import pandas as pd
```

Create DataFrame

Fit The Label Encoder

```
# Create a label (category) encoder object
le = preprocessing.LabelEncoder()
```

```
# Fit the encoder to the pandas column le.fit(df['score'])
```

LabelEncoder()

View The Labels

```
# View the labels (if you want)
list(le.classes_)
```

['normal', 'strong', 'weak']

Transform Categories Into Integers

```
# Apply the fitted encoder to the pandas column le.transform(df['score'])
```

array([1, 2, 0, 2, 1])

Transform Integers Into Categories

```
# Convert some integers into their category names
list(le.inverse_transform([2, 2, 1]))
```

['weak', 'weak', 'strong']

Find an error or bug?

Everything on this site is available on GitHub. Head to and submit a suggested change (https://github.com/chrisalbon/notes_on_data_science_machine_learning_and_artificial_intelligence/issues/new). You can also message me directly on Twitter (https://twitter.com/chrisalbon).

This project contains 488 pages and is available on GitHub (https://github.com/chrisalbon/notes_on_data_science_machine_learning_and_artificial_intelligence).

Copyright © Chris Albon, 2017.