Cheatography

Multiple Variable Linear Regression using Scikit Cheat Sheet

by SidSenpai via cheatography.com/144514/cs/31034/

Step 1: Import packages and classes

```
# Import pandas and numpy,
# then Linear Reg ression available inside
linear _model of sklearn and
# pyplot from matplotlib to visualize
import pandas as pd
import numpy as np
from sklear n.l ine ar_ model import Linear Reg -
ression
import matplo tli b.p yplot as plt
```

Step 2 : Import and Prepare data

```
df = pd.read_csv("sid's File.csv")
df #to see first five row of datset
```

Check for missing values, if any, then for numerical values fill it with mean or median values as for texts take common one or fill according to any other feature column.

Step 3: Visualize

```
%matplotlib inline #If using notebook IDE
plt.xl abe l('Name of featur e/c olumn you want in
x axis')
plt.yl abe l('Name of featur e/c olumn you want in
y axis')
plt.sc att er( df.c olumn for x axis, df.column for
y axis, color= 'red' , marker ='+')
# Follow this step in case you want to see
relati onship between features more clearly.
```

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