SVM_regression

March 10, 2019

```python
In [3]: import pickle
        X_train, y_train = pickle.load(open('cadata.pickle','rb'))
        from sklearn.preprocessing import scale
        first_rows = 6000
        X_train = scale(X_train[:first_rows,:].toarray())
        y_train = y_train[:first_rows]/10**4.0 # Resoults will be in 1000s of dolars
```

```
D:\Python\Lib\importlib\_bootstrap.py:219: RuntimeWarning: numpy.ufunc size changed, may indica
  return f(*args, **kwds)
D:\Python\Lib\importlib\_bootstrap.py:219: RuntimeWarning: numpy.ufunc size changed, may indica
  return f(*args, **kwds)
```

```python
In [10]: import numpy as np
         from sklearn.model_selection import cross_val_score
         from sklearn.svm import SVR
         hypotesis = SVR(gamma ='scale')
         scores = cross_val_score(hypotesis, X_train, y_train, cv=3, scoring='neg_mean_absolute
         print("SVR -> accuracy of cross-validation:\nmean = %f\nstandard deviation = %f" %(np
```

```
SVR -> accuracy of cross-validation:
mean = -7.716530
standard deviation = 0.668355
```

```python
In [ ]:
```