Model persistence

It is possible to save a model in the scikit by using Python's built-in persistence model, namely pickle:

```
>>>
>>> from sklearn import svm
>>> from sklearn import datasets
>>> clf = svm.SVC()
>>> iris = datasets.load iris()
>>> X, y = iris.data, iris.target
>>> clf.fit(X, y)
SVC(C=1.0, cache size=200, class weight=None, coef0=0.0,
  decision function shape=None, degree=3, gamma='auto', kernel='rbf',
 max iter=-1, probability=False, random state=None, shrinking=True,
 tol=0.001, verbose=False)
>>> import pickle
>>> s = pickle.dumps(clf)
>>> clf2 = pickle.loads(s)
>>> clf2.predict(X[0:1])
array([0])
>>> y[0]
```

In the specific case of the scikit, it may be more interesting to use joblib's replacement of pickle (joblib.dump & joblib.load), which is more efficient on big data, but can only pickle to the disk and not to a string:

```
>>> from sklearn.externals import joblib
>>> joblib.dump(clf, 'filename.pkl')
```

Later you can load back the pickled model (possibly in another Python process) with:

```
>>> clf = joblib.load('filename.pkl')
```

Note: joblib.dump and joblib.load functions also accept file-like object instead of filenames. More information on data persistence with Joblib is available here.

Note that pickle has some security and maintainability issues. Please refer to section Model persistence for more detailed information about model persistence with scikit-learn.