

C:\Python27\python.exe C:/Users/Argo2/Documents/PycharmProjects/ClassifTweets/
clasificacion.py

Generate samples using scikit-learn

EasyEnsemble

Determining classes statistics... 3 classes detected: {1.0: 213, 2.0: 811, 3.0: 371}

Creation of the set #0

Under-sampling performed: Counter({1.0: 213, 2.0: 213, 3.0: 213})

Creation of the set #1

Under-sampling performed: Counter({1.0: 213, 2.0: 213, 3.0: 213})

Creation of the set #2

Under-sampling performed: Counter({1.0: 213, 2.0: 213, 3.0: 213})

Creation of the set #3

Under-sampling performed: Counter({1.0: 213, 2.0: 213, 3.0: 213})

Creation of the set #4

Under-sampling performed: Counter({1.0: 213, 2.0: 213, 3.0: 213})

Creation of the set #5

Under-sampling performed: Counter({1.0: 213, 2.0: 213, 3.0: 213})

Creation of the set #6

Under-sampling performed: Counter({1.0: 213, 2.0: 213, 3.0: 213})

Creation of the set #7

Under-sampling performed: Counter({1.0: 213, 2.0: 213, 3.0: 213})

Creation of the set #8

Under-sampling performed: Counter({1.0: 213, 2.0: 213, 3.0: 213})

Creation of the set #9

Under-sampling performed: Counter({1.0: 213, 2.0: 213, 3.0: 213})

RBf Kernel General Accuracy Score: 0.669540229885

	precision	recall	f1-score	support
class 1	0.65	0.38	0.48	52
class 2	0.76	0.70	0.73	199
class 3	0.56	0.76	0.64	97
avg / total	0.68	0.67	0.67	348

Poly-2 Kernel General Accuracy Score: 0.626436781609

	precision	recall	f1-score	support
class 1	0.42	0.52	0.47	52
class 2	0.69	0.70	0.69	199
class 3	0.64	0.53	0.58	97
avg / total	0.63	0.63	0.63	348

AdaBoost General Accuracy Score: 0.669540229885

	<i>precision</i>	<i>recall</i>	<i>f1-score</i>	<i>support</i>
<i>class 1</i>	<i>0.74</i>	<i>0.33</i>	<i>0.45</i>	<i>52</i>
<i>class 2</i>	<i>0.75</i>	<i>0.71</i>	<i>0.73</i>	<i>199</i>
<i>class 3</i>	<i>0.54</i>	<i>0.76</i>	<i>0.64</i>	<i>97</i>
<i>avg / total</i>	<i>0.69</i>	<i>0.67</i>	<i>0.66</i>	<i>348</i>

Gradient Boosting Class General Accuracy Score: 0.534482758621

	<i>precision</i>	<i>recall</i>	<i>f1-score</i>	<i>support</i>
<i>class 1</i>	<i>0.68</i>	<i>0.33</i>	<i>0.44</i>	<i>52</i>
<i>class 2</i>	<i>0.72</i>	<i>0.44</i>	<i>0.55</i>	<i>199</i>
<i>class 3</i>	<i>0.41</i>	<i>0.84</i>	<i>0.55</i>	<i>97</i>
<i>avg / total</i>	<i>0.62</i>	<i>0.53</i>	<i>0.53</i>	<i>348</i>

EasyEnsemble

Determining classes statistics... 2 classes detected: {0.0: 1024, 1.0: 371}

Creation of the set #0

Under-sampling performed: Counter({0.0: 371, 1.0: 371})

Creation of the set #1

Under-sampling performed: Counter({0.0: 371, 1.0: 371})

Creation of the set #2

Under-sampling performed: Counter({0.0: 371, 1.0: 371})

Creation of the set #3

Under-sampling performed: Counter({0.0: 371, 1.0: 371})

Creation of the set #4

Under-sampling performed: Counter({0.0: 371, 1.0: 371})

Creation of the set #5

Under-sampling performed: Counter({0.0: 371, 1.0: 371})

Creation of the set #6

Under-sampling performed: Counter({0.0: 371, 1.0: 371})

Creation of the set #7

Under-sampling performed: Counter({0.0: 371, 1.0: 371})

Creation of the set #8

Under-sampling performed: Counter({0.0: 371, 1.0: 371})

Creation of the set #9

Under-sampling performed: Counter({0.0: 371, 1.0: 371})

One vs Rest RBF Kernel General Accuracy Score: 0.764367816092

	<i>precision</i>	<i>recall</i>	<i>f1-score</i>	<i>support</i>
<i>0.0</i>	<i>0.89</i>	<i>0.76</i>	<i>0.82</i>	<i>251</i>

	1.0	0.56	0.76	0.64	97
avg / total	0.80	0.76	0.77		348

NuSVC RBF General Accuracy Score: 0.278735632184

C:\Python27\lib\site-packages\sklearn\metrics\classification.py:958:

UndefinedMetricWarning: Precision and F-score are ill-defined and being set to 0.0 in labels with no predicted samples.

'precision', 'predicted', average, warn_for)

	precision	recall	f1-score	support	
	0.0	0.00	0.00	0.00	251
	1.0	0.28	1.00	0.44	97
avg / total	0.08	0.28	0.12		348

Process finished with exit code 0