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1 C:\Python27_new\python.exe "C:\Program Files\JetBrains\PyCharm 2018.1\helpers\pydev\
  pydev_run_in_console.py" 55621 55622 D:/pfe/Projets/pfe/equilibrer_dataset_HAS.py
2
3 import sys; print('Python %s on %s' % (sys.version, sys.platform))
4 sys.path.extend(['D:\\pfe\\Projets\\pfe', 'D:/pfe/Projets/pfe'])
5
6 Running D:/pfe/Projets/pfe/equilibrer_dataset_HAS.py
7 count      285
8 unique      2
9 top         False
10 freq       248
11 Name: is_code_smell, dtype: object
12 RandomUnderSampler by default
13 is_code_smell
14 count      74
15 unique      2
16 top         True
17 freq       37
18 Name: is_code_smell, dtype: object
19      cycloomatic_complexity  number_of_instructions  ...  has_method  is_code_smell
20 count      74      74      ...      74      74
21 unique      16      37      ...      2      2
22 top         1      2      ...      True      True
23 freq       30      13      ...      51      37
24
25 [4 rows x 5 columns]
26 RandomUnderSampler
27 is_code_smell
28 count      74

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29 unique          2
30 top             True
31 freq           37
32 Name: is_code_smell, dtype: object
33 cyclomatic_complexity  number_of_instructions  ... has_method is_code_smell
34 count              74          74 ...          74
35 unique              16          37 ...          2
36 top                 1          1 ...          True
37 freq              33          12 ...          53
38
39 [4 rows x 5 columns]
40 AllKNN
41 is_code_smell
42 count          275
43 unique          2
44 top            False
45 freq          238
46 Name: is_code_smell, dtype: object
47 cyclomatic_complexity  number_of_instructions  is_asyncTask  has_method
48 count          275.000000          275.000000          275.0  275.000000
49 mean              2.327273          10.334545          1.0    0.421818
50 std              5.128475          22.372854          0.0    0.494750
51 min              1.000000          1.000000          1.0    0.000000
52 25%              1.000000          2.000000          1.0    0.000000
53 50%              1.000000          3.000000          1.0    0.000000
54 75%              2.000000          8.000000          1.0    1.000000
55 max             55.000000          227.000000          1.0    1.000000
56 CondensedNearestNeighbour
57 is_code_smell
```

[illegible]

87	max	55.000000	227.000000	1.0	1.000000
88	InstanceHardnessThreshold				
89	is_code_smell				
90	count	273			
91	unique	2			
92	top	False			
93	freq	236			
94	Name: is_code_smell, dtype: object				
95	cyclomatic_complexity	number_of_instructions	is_asyncTask	has_method	
96	count	273.000000	273.0	273.000000	
97	mean	2.333333	1.0	0.410256	
98	std	5.143766	0.0	0.492784	
99	min	1.000000	1.0	0.000000	
100	25%	1.000000	1.0	0.000000	
101	50%	1.000000	1.0	0.000000	
102	75%	2.000000	1.0	1.000000	
103	max	55.000000	1.0	1.000000	
104	NearMiss				
105	is_code_smell				
106	count	74			
107	unique	2			
108	top	True			
109	freq	37			
110	Name: is_code_smell, dtype: object				
111	cyclomatic_complexity	number_of_instructions	is_asyncTask	has_method	
112	count	74.000000	74.0	74.000000	
113	mean	5.810811	1.0	0.729730	
114	std	9.042784	0.0	0.447131	
115	min	1.000000	1.0	0.000000	

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116 25%          2.000000          11.000000          1.0          0.000000
117 50%          4.000000          22.000000          1.0          1.000000
118 75%          5.000000          42.500000          1.0          1.000000
119 max          55.000000          227.000000          1.0          1.000000
120 OneSidedSelection
121 is_code_smell
122 count          72
123 unique          2
124 top          True
125 freq          37
126 Name: is_code_smell, dtype: object
127      cyclomatic_complexity  number_of_instructions  is_asyncTask  has_method
128 count          72.000000          72.000000          72.0          72.000000
129 mean          5.902778          33.875000          1.0          0.736111
130 std          9.151556          35.329012          0.0          0.443833
131 min          1.000000          1.000000          1.0          0.000000
132 25%          2.000000          11.000000          1.0          0.000000
133 50%          4.000000          22.000000          1.0          1.000000
134 75%          5.000000          41.500000          1.0          1.000000
135 max          55.000000          227.000000          1.0          1.000000
136 PyDev console: starting.
137
138 Python 2.7.15 (v2.7.15:ca079a3ea3, Apr 30 2018, 16:30:26) [MSC v.1500 64 bit (AMD64)] on
    win32
139
```