In [16]:	import pandas as pd
In [55]:	
[00]:	<pre>df = pd.read_csv("weather.csv") df.head()</pre>
Out[55]:	outlook temperature humidity wind play
	<ul><li>sunny hot high weak no</li><li>sunny hot high strong no</li></ul>
	2 overcast hot high weak yes
	<ul><li>3 rain mild high weak yes</li><li>4 rain cool normal weak yes</li></ul>
To [FC].	
In [56]:	<pre>df['play']=df['play'].apply(lambda x: 1 if x=='yes' else 0) df.head()</pre>
Out[56]:	outlook temperature humidity wind play
	0 sunny hot high weak 0
	1sunnyhothighstrong02overcasthothighweak1
	<ul> <li>rain mild high weak 1</li> <li>rain cool normal weak 1</li> </ul>
	4 fain cool normal weak 1
In [57]:	<pre>target=df.play inputs=df.drop('play',axis='columns')</pre>
T. [50]	
In [58]:	inputs
Out[58]:	outlook     temperature     humidity     wind       0     sunny     hot     high     weak
	1 sunny hot high strong
	<ul><li>2 overcast hot high weak</li><li>3 rain mild high weak</li></ul>
	4 rain cool normal weak
	<ul><li>5 rain cool normal strong</li><li>6 overcast cool normal strong</li></ul>
	7 sunny mild high weak
	<ul><li>8 sunny cool normal weak</li><li>9 rain mild normal weak</li></ul>
	<ul><li>10 sunny mild normal strong</li><li>11 overcast mild high strong</li></ul>
	12 overcast hot normal weak
	<ul><li>13 rain mild high strong</li><li>14 sunny cool high strong</li></ul>
_	14 sunny cool high strong
In [59]:	target
Out[59]:	0 0 1 0 2 1
	3 1 4 1
	5 0 6 1 7 0
	<ul><li>8 1</li><li>9 1</li></ul>
	10 1 11 1
	12 1 13 0 14 0
T E -	Name: play, dtype: int64
In [60]:	<pre>dummies1=pd.get_dummies(inputs.outlook) dummies1.head(3)</pre>
Out[60]:	overcast rain sunny
_	0 0 0 1
	1 0 0 1 2 1 0 0
In [61]:	
III [OI].	<pre>dummies2=pd.get_dummies(inputs.temperature) dummies2.head(3)</pre>
Out[61]:	cool hot mild
	<ul><li>0 1 0</li><li>1 0 1 0</li></ul>
	2 0 1 0
In [62]:	dummics2=nd got dummics(inputs humidity)
	<pre>dummies3=pd.get_dummies(inputs.humidity) dummies3.head(3)</pre>
Out[62]:	high normal
	<ul><li>0</li><li>1</li><li>0</li></ul>
	<b>2</b> 1 0
In [63]:	<pre>dummies4=pd.get_dummies(inputs.wind)</pre>
In [63]:	
<pre>In [63]: Out[63]:</pre>	<pre>dummies4=pd.get_dummies(inputs.wind) dummies4.head(3)  strong weak</pre>
	<pre>dummies4=pd.get_dummies(inputs.wind) dummies4.head(3)  strong weak 0 0 1 1 1 0</pre>
	<pre>dummies4=pd.get_dummies(inputs.wind) dummies4.head(3)  strong weak 0 0 1</pre>
	<pre>dummies4=pd.get_dummies(inputs.wind) dummies4.head(3)  strong weak 0</pre>
Out[63]: In [64]:	<pre>dummies4=pd.get_dummies(inputs.wind) dummies4.head(3)  strong weak 0</pre>
Out[63]:	<pre>dummies4=pd.get_dummies(inputs.wind) dummies4.head(3)  strong weak 0</pre>
Out[63]: In [64]:	dummies4=pd.get_dummies(inputs.wind) dummies4.head(3)  strong weak  0
Out[63]: In [64]: Out[64]:	<pre>dummies4=pd.get_dummies(inputs.wind) dummies4.head(3)  strong</pre>
Out[63]: In [64]:	dummies4=pd.get_dummies(inputs.wind) dummies4.head(3)  strong weak  0
Out[63]: In [64]: Out[64]:	dummies4=pd.get_dummies(inputs.wind)  strong
Out[63]:  In [64]:  In [65]:	dummies4=pd.get_dummies(inputs.wind)  strong weak  0
Out[63]:  In [64]:  In [65]:	dummies4=pd.get_dummies(inputs.wind) dummies4.head(3)  strong
Out[63]:  In [64]:  In [65]:	dummies4=pd.get_dummies(inputs.wind)  strong weak  0
Out[63]:  In [64]:  Out[64]:  Out[65]:	dummies4=pd_get_dummies(inputs.wind)   dummies4  head(3)
Out[63]:  In [64]:  In [65]:	dummies4=pd.get_dummies(inputs.wind)  strong weak 0
Out[63]:  In [64]:  Out[64]:  Out[65]:	dummies4=pd.get_dummies(inputs.wind)   dummies4   head(3)
Out[63]:  In [64]:  Out[65]:  In [66]:  In [67]:	Strong   Weak   Strong   S
Out[63]:  In [64]:  Out[64]:  Out[65]:  Out[67]:	dumnics4+pc.gct_dumnics(inputs.wind)   dumnics4-pc.gct, dumnics(inputs.wind)   dumnics4-pc.gct, dumnics(inputs.wind)   dumnics4-pc.gct, dumnics(inputs.wind)
Out[63]:  In [64]:  Out[64]:  Out[65]:  In [66]:  In [67]:  In [68]:	Strong   Weak   Strong   Strong   Weak   Strong   Strong   Weak   Strong
Out[63]:  In [64]:  Out[64]:  Out[65]:  Out[67]:	Strong   Weak
Out[63]:  In [64]:  Out[64]:  Out[65]:  In [66]:  In [67]:  In [68]:	Strong
Out[63]:  In [64]:  Out[64]:  Out[65]:  In [66]:  In [67]:  In [68]:	### Strong   weak
Out[63]:  In [64]:  Out[64]:  Out[65]:  In [66]:  In [67]:  In [68]:	State   Stat
Out[63]:  In [64]:  Out[64]:  Out[65]:  In [66]:  In [67]:  In [68]:	Strong   weak   Strong   wea
Out[63]:  In [64]:  Out[64]:  Out[65]:  In [66]:  In [67]:  In [68]:	Second   Provide   Control   Contr
Out[63]:  In [64]:  Out[64]:  Out[65]:  In [66]:  In [67]:  In [68]:	Street   S
Out[63]:  In [64]:  Out[64]:  Out[65]:  In [66]:  In [67]:  In [68]:	Second Content
Out[63]:  In [64]:  Out[64]:  Out[65]:  In [66]:  In [67]:  In [68]:	State   Stat
Out[63]:  In [64]:  Out[64]:  Out[65]:  In [66]:  In [67]:  In [68]:	State   Stat
Out[63]:  In [64]:  Out[64]:  Out[65]:  In [66]:  In [67]:  In [68]:	Section   Continue
Out[63]:  In [64]:  Out[64]:  In [65]:  Out[67]:  In [68]:  Out[68]:	Section   Control   Cont
Out[63]:  In [64]:  Out[64]:  Out[65]:  In [66]:  In [68]:  Out[68]:	State   Stat
Out [63]:  In [64]:  Out [65]:  Out [65]:  In [66]:  In [68]:  Out [68]:  Out [70]:	Control   Cont
Out [63]:  In [64]:  Out [64]:  Out [65]:  In [66]:  In [67]:  Out [67]:  In [68]:  In [70]:	Control   Cont
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Out [63]:  In [64]:  Out [65]:  Out [65]:  In [66]:  In [68]:  Out [68]:  Out [70]:  In [71]:	Process   Proc
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