Name: Vaibhav Kute {2019BTECS00067}

Under Guidance: Dr.BFM

Upload dataset here

Drag and drop file here
Limit 200MB per file • CSV

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iris.csv 3.9KB ✕

Dataset loaded Table

	sepal.length	sepal.width	petal.length	petal.width	variety
0	5.1000	3.5000	1.4000	0.2000	Setosa
1	4.9000	3.0000	1.4000	0.2000	Setosa
2	4.7000	3.2000	1.3000	0.2000	Setosa
3	4.6000	3.1000	1.5000	0.2000	Setosa
4	5.0000	3.6000	1.4000	0.2000	Setosa
5	5.4000	3.9000	1.7000	0.4000	Setosa
6	4.6000	3.4000	1.4000	0.3000	Setosa
7	5.0000	3.4000	1.5000	0.2000	Setosa
8	4.4000	2.9000	1.4000	0.2000	Setosa
9	4.9000	3.1000	1.5000	0.1000	Setosa
10	5.4000	3.7000	1.5000	0.2000	Setosa
11	4.8000	3.4000	1.6000	0.2000	Setosa
			1.4000	0.1000	Setosa

Select Assignment

- ○ Assignment No.1
- ○ Assignment No.2
- ○ Assignment No.3 and 4
- ○ Assignment No.5
- ○ Assignment No. 6
- ● Assignment No. 7

Assignment 7

```
▼ [
    0 : "Class Name"
    1 : "handicapped-infants"
    2 : "water-project-cost-sharing"
    3 : "adoption-of-the-budget-resolution"
    4 : "physician-fee-freeze"
```

```
  5 : "el-salvador-aid"

  6 : "religious-groups-in-schools"

  7 : "anti-satellite-test-ban"

  8 : "aid-to-nicaraguan-contras"

  9 : "mx-missile"

 10 : "immigration"

 11 : "synfuels-corporation-cutback"

 12 : "education-spending"

 13 : "superfund-right-to-sue"

 14 : "crime"

 15 : "duty-free-exports"

 16 : "export-administration-act-south-africa"
]
```

At Max Rules to be Generated: `128878020`

Attributes: `17`

▸ [*0 - 100*]

▸ [*100 - 200*]

▸ [*200 - 232*]

▸ [*0 - 100*]

▶ **[** *100 - 200* **]**

▶ **[** *200 - 232* **]**

Init: `16`

Result:

L9:

Rules Generation

```
frozenset({'religious-groups-in-schools', 'education-spending', 'water-project-cost-sharing',
'export-administration-act-south-africa', 'synfuels-corporation-cutback', 'physician-fee-freeze',
'superfund-right-to-sue', 'el-salvador-aid', 'crime'})
```

1['religious-groups-in-schools', 'water-project-cost-sharing', 'export-administration-act-south-africa',
'synfuels-corporation-cutback', 'physician-fee-freeze', 'superfund-right-to-sue', 'el-salvador-aid',
'education-spending'] -> ['crime'] = 87.5%

2['crime'] -> ['religious-groups-in-schools', 'water-project-cost-sharing', 'export-administration-act-south-africa', 'synfuels-corporation-cutback', 'physician-fee-freeze', 'superfund-right-to-sue', 'el-salvador-aid', 'education-spending'] = 4.697986577181208%

3['religious-groups-in-schools', 'crime', 'water-project-cost-sharing', 'export-administration-act-south-africa', 'synfuels-corporation-cutback', 'physician-fee-freeze', 'superfund-right-to-sue', 'education-spending'] -> ['el-salvador-aid'] = 100.0%

4['el-salvador-aid'] -> ['religious-groups-in-schools', 'crime', 'water-project-cost-sharing', 'export-administration-act-south-africa', 'synfuels-corporation-cutback', 'physician-fee-freeze', 'superfund-right-to-sue', 'education-spending'] = 5.46875%

5['religious-groups-in-schools', 'crime', 'water-project-cost-sharing', 'export-administration-act-south-africa', 'synfuels-corporation-cutback', 'physician-fee-freeze', 'el-salvador-aid', 'education-spending'] -> ['superfund-right-to-sue'] = 100.0%

6['superfund-right-to-sue'] -> ['religious-groups-in-schools', 'crime', 'water-project-cost-sharing', 'export-administration-act-south-africa', 'synfuels-corporation-cutback', 'physician-fee-freeze', 'el-salvador-aid', 'education-spending'] = 5.511811023622047%

7['religious-groups-in-schools', 'crime', 'water-project-cost-sharing', 'export-administration-act-south-africa', 'synfuels-corporation-cutback', 'superfund-right-to-sue', 'el-salvador-aid', 'education-spending'] -> ['physician-fee-freeze'] = 87.5%

8['physician-fee-freeze'] -> ['religious-groups-in-schools', 'crime', 'water-project-cost-sharing', 'export-

administration-act-south-africa', 'synfuels-corporation-cutback', 'superfund-right-to-sue', 'el-salvador-aid', 'education-spending'] = 6.19469026548672555%

9['religious-groups-in-schools', 'crime', 'water-project-cost-sharing', 'export-administration-act-south-africa', 'physician-fee-freeze', 'superfund-right-to-sue', 'el-salvador-aid', 'education-spending'] -> ['synfuels-corporation-cutback'] = 25.0%

10['synfuels-corporation-cutback'] -> ['religious-groups-in-schools', 'crime', 'water-project-cost-sharing', 'export-administration-act-south-africa', 'physician-fee-freeze', 'superfund-right-to-sue', 'el-salvador-aid', 'education-spending'] = 8.75%

11['religious-groups-in-schools', 'crime', 'water-project-cost-sharing', 'physician-fee-freeze', 'synfuels-corporation-cutback', 'superfund-right-to-sue', 'el-salvador-aid', 'education-spending'] -> ['export-administration-act-south-africa'] = 70.0%

12['export-administration-act-south-africa'] -> ['religious-groups-in-schools', 'crime', 'water-project-cost-sharing', 'physician-fee-freeze', 'synfuels-corporation-cutback', 'superfund-right-to-sue', 'el-salvador-aid', 'education-spending'] = 3.70370370370370033%

13['religious-groups-in-schools', 'crime', 'export-administration-act-south-africa', 'synfuels-corporation-cutback', 'physician-fee-freeze', 'superfund-right-to-sue', 'el-salvador-aid', 'education-spending'] -> ['water-project-cost-sharing'] = 77.7777777777779%

14['water-project-cost-sharing'] -> ['religious-groups-in-schools', 'crime', 'export-administration-act-south-

africa', 'synfuels-corporation-cutback', 'physician-fee-freeze', 'superfund-right-to-sue', 'el-salvador-aid',
'education-spending'] = 6.54205607477663545%

15['religious-groups-in-schools', 'water-project-cost-sharing', 'export-administration-act-south-africa',
'synfuels-corporation-cutback', 'physician-fee-freeze', 'superfund-right-to-sue', 'el-salvador-aid', 'crime'] ->
['education-spending'] = 87.5%

16['education-spending'] -> ['religious-groups-in-schools', 'water-project-cost-sharing', 'export-
administration-act-south-africa', 'synfuels-corporation-cutback', 'physician-fee-freeze', 'superfund-right-
to-sue', 'el-salvador-aid', 'crime'] = 6.481481481481481%

17['crime', 'water-project-cost-sharing', 'export-administration-act-south-africa', 'synfuels-corporation-
cutback', 'physician-fee-freeze', 'superfund-right-to-sue', 'el-salvador-aid', 'education-spending'] ->
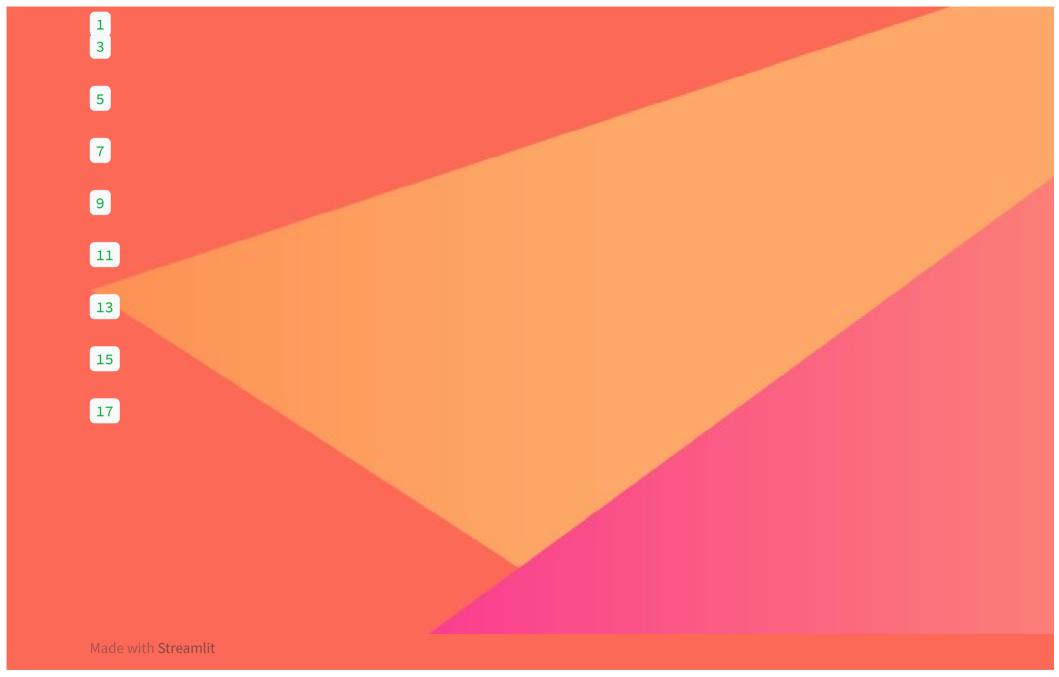['religious-groups-in-schools'] = 100.0%

18['religious-groups-in-schools'] -> ['crime', 'water-project-cost-sharing', 'export-administration-act-south-
africa', 'synfuels-corporation-cutback', 'physician-fee-freeze', 'superfund-right-to-sue', 'el-salvador-aid',
'education-spending'] = 4.697986577181208%

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