**87.Labor Relations**

1. 数据库网址

https://archive.ics.uci.edu/ml/datasets/Labor+Relations

2. 数据库描述

【1.[数据集名称]数据集由[机构名或人名]采集；】The data used in our experiments were collected by E. Alpaydin, C. Kaynak, from Department of Computer Engineering,Bogazici University at July,1998.【2.用于[什么实验目的]】We used preprocessing programs made available by NIST to extract normalized bitmaps of handwritten digits from a preprinted form.【3】

【4】The database has 5620 samples, respectively belong to optdigits.tra with 3823 samples and optidigits.tes with 1797 samples. The categories of network system include seven categories, as shown in Table 1.

Table 1 Category Distribution of Network System [根据数据库绘制]

|  |  |  |  |
| --- | --- | --- | --- |
| Invasion Categories | optdigits.tra | optdigits.tes | Total Number of Samples |
|  |  |  |  |
|  |  |  |  |
| Total number of samples in total |  |  | 57 |

**Source:**

Creators:   
  
Collective Barganing Review, montly publication,   
Labour Canada, Industrial Relations Information Service,   
Ottawa, Ontario, K1A 0J2, Canada, (819) 997-3117   
  
The data includes all collective agreements reached in the business and personal services sector for locals with at least 500 members (teachers, nurses, university staff, police, etc) in Canada in 87 and first quarter of 88. 

**Data Set Information:**

Data was used to test 2 tier approach with learning from positive and negative examples

**Attribute Information:**

1. dur: duration of agreement   
[1..7]   
2 wage1.wage : wage increase in first year of contract   
[2.0 .. 7.0]   
3 wage2.wage : wage increase in second year of contract   
[2.0 .. 7.0]   
4 wage3.wage : wage increase in third year of contract   
[2.0 .. 7.0]   
5 cola : cost of living allowance   
[none, tcf, tc]   
6 hours.hrs : number of working hours during week   
[35 .. 40]   
7 pension : employer contributions to pension plan   
[none, ret\_allw, empl\_contr]   
8 stby\_pay : standby pay   
[2 .. 25]   
9 shift\_diff : shift differencial : supplement for work on II and III shift   
[1 .. 25]   
10 educ\_allw.boolean : education allowance   
[true false]   
11 holidays : number of statutory holidays   
[9 .. 15]   
12 vacation : number of paid vacation days   
[ba, avg, gnr]   
13 lngtrm\_disabil.boolean : employer's help during employee longterm disability   
[true , false]   
14 dntl\_ins : employers contribution towards the dental plan   
[none, half, full]   
15 bereavement.boolean : employer's financial contribution towards the covering the costs of bereavement   
[true , false]   
16 empl\_hplan : employer's contribution towards the health plan   
[none, half, full]

4. Relevant Information:

-- data was used to test 2tier approach with learning

from positive and negative examples

5. Number of Instances: 57

6. Number of Attributes: 16

9. Class Distribution:

10. Exceptions from format instructions: no commas between attribute values.