**89.Student Loan Relational**

1. 数据库网址

http://archive.ics.uci.edu/ml/datasets/Student+Loan+Relational

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 |  |  | 1000 |

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**Data Set Information:**

The predicate no\_payment\_due/1 is true for those people who are not required to repay a student loan. Auxiliary relations can be used to fully discriminate positive from negative instances of no\_payment\_due/1. Closed world assumption applies to all auxiliary relations.

5. Target Relation:

- no\_payment\_due(Person)

- Number of positive instances: 643

- Negative instances correspond to the relation:

- payment\_due(Person).

- Number of negative instances: 357

6. Auxiliary Relations:

male(Person).

longest\_absense\_from\_school(Person, Number\_of\_Months).

enrolled(Person,School,Units).

enlist(Person,Organization).

unemployed(Person).

filed\_for\_bankrupcy(Person).

disabled(Person).

school(School).

armed\_forces(Organization).

peace\_corps(Organization).