Análise de Evasão Universitária usando Polars

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Seção

Isso é uma seção com uma citação (Knuth, 1984). Knuth (1984) fala sobre *Literate Programming*.

Source: Article Notebook

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{'uci_id': 697, 'name': "Predict Students' Dropout and Academic Success", 'repository_url':
economic factors) and the students' academic performance at the end of the first and second s
3-030-72657-7_16', 'URL': 'http://www.worldcist.org/2021/', 'sha': None, 'corpus': None, 'ar
economic factors. \n\nThe problem is formulated as a three category classification task (drop
05-5762-FSE-000191, Portugal.', 'instances_represent': 'Each instance is a student', 'recomme
3-030-72657-7_16'}}
```

```
                                    name      role         type  \
0                          Marital Status   Feature      Integer
1                        Application mode   Feature      Integer
2                       Application order   Feature      Integer
3                                  Course   Feature      Integer
4               Daytime/evening attendance   Feature      Integer
```

5	Previous qualification	Feature	Integer
6	Previous qualification (grade)	Feature	Continuous
7	Nacionality	Feature	Integer
8	Mother's qualification	Feature	Integer
9	Father's qualification	Feature	Integer
10	Mother's occupation	Feature	Integer
11	Father's occupation	Feature	Integer
12	Admission grade	Feature	Continuous
13	Displaced	Feature	Integer
14	Educational special needs	Feature	Integer
15	Debtor	Feature	Integer
16	Tuition fees up to date	Feature	Integer
17	Gender	Feature	Integer
18	Scholarship holder	Feature	Integer
19	Age at enrollment	Feature	Integer
20	International	Feature	Integer
21	Curricular units 1st sem (credited)	Feature	Integer
22	Curricular units 1st sem (enrolled)	Feature	Integer
23	Curricular units 1st sem (evaluations)	Feature	Integer
24	Curricular units 1st sem (approved)	Feature	Integer
25	Curricular units 1st sem (grade)	Feature	Integer
26	Curricular units 1st sem (without evaluations)	Feature	Integer
27	Curricular units 2nd sem (credited)	Feature	Integer
28	Curricular units 2nd sem (enrolled)	Feature	Integer
29	Curricular units 2nd sem (evaluations)	Feature	Integer
30	Curricular units 2nd sem (approved)	Feature	Integer
31	Curricular units 2nd sem (grade)	Feature	Integer
32	Curricular units 2nd sem (without evaluations)	Feature	Integer
33	Unemployment rate	Feature	Continuous
34	Inflation rate	Feature	Continuous
35	GDP	Feature	Continuous
36	Target	Target	Categorical

	demographic	description	units	\
0	Marital Status	1 – single 2 – married 3 – widower 4 – divorce...	None	
1	NaN	1 – 1st phase – general contingent 2 – Ordinan...	None	
2	NaN	Application order (between 0 – first choice; a...	None	
3	NaN	33 – Biofuel Production Technologies 171 – Ani...	None	
4	NaN	1 – daytime 0 – evening	None	
5	Education Level	1 – Secondary education 2 – Higher education –...	None	
6	NaN	Grade of previous qualification (between 0 and...	None	
7	Nationality	1 – Portuguese; 2 – German; 6 – Spanish; 11 – ...	None	
8	Education Level	1 – Secondary Education – 12th Year of Schooli...	None	

9	Education Level	1 - Secondary Education - 12th Year of Schooli...	None
10	Occupation	0 - Student 1 - Representatives of the Legisla...	None
11	Occupation	0 - Student 1 - Representatives of the Legisla...	None
12	NaN	Admission grade (between 0 and 200)	None
13	NaN	1 - yes 0 - no	None
14	NaN	1 - yes 0 - no	None
15	NaN	1 - yes 0 - no	None
16	NaN	1 - yes 0 - no	None
17	Gender	1 - male 0 - female	None
18	NaN	1 - yes 0 - no	None
19	Age	Age of studend at enrollment	None
20	NaN	1 - yes 0 - no	None
21	NaN	Number of curricular units credited in the 1st...	None
22	NaN	Number of curricular units enrolled in the 1st...	None
23	NaN	Number of evaluations to curricular units in t...	None
24	NaN	Number of curricular units approved in the 1st...	None
25	NaN	Grade average in the 1st semester (between 0 a...	None
26	NaN	Number of curricular units without evalutions ...	None
27	NaN	Number of curricular units credited in the 2nd...	None
28	NaN	Number of curricular units enrolled in the 2nd...	None
29	NaN	Number of evaluations to curricular units in t...	None
30	NaN	Number of curricular units approved in the 2nd...	None
31	NaN	Grade average in the 2nd semester (between 0 a...	None
32	NaN	Number of curricular units without evalutions ...	None
33	NaN	Unemployment rate (%)	None
34	NaN	Inflation rate (%)	None
35	NaN	GDP	None
36	NaN	Target. The problem is formulated as a three c...	None

	missing_values
0	no
1	no
2	no
3	no
4	no
5	no
6	no
7	no
8	no
9	no
10	no
11	no
12	no

```
13          no
14          no
15          no
16          no
17          no
18          no
19          no
20          no
21          no
22          no
23          no
24          no
25          no
26          no
27          no
28          no
29          no
30          no
31          no
32          no
33          no
34          no
35          no
36          no
```

Source: Article Notebook

KNUTH, D. E. Literate Programming. **Comput. J.**, v. 27, n. 2, p. 97–111, 1984.