

# 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](#)

```
{'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 3-030-72657-7_16', 'URL': 'http://www.worldcist.org/2021/', 'sha': None, 'corpus': None, 'arr 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', 'recomm 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		Nationality	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.