

Metadata file

Table 1: Variables Metadata table

Variable	Type	Range	Modalities	Missing_Code	Missing_Percentage	Unique_Values	Meaning
Martial status	Categorical	-	1 – single 2 – married 3 – widower 4 – divorced 5 – facto union 6 – legally separated	NA	10.44	1, 2, NA, 4, 3, 5, 6	Civil status of the person
Application order	Categorical	-	Between 0 - first choice; and 9 last choice	NA	10.33	NA, 1, 5, 2, 4, 3, 6, 9, 0	Enrollment order
Course	Categorical	-	33 - Biofuel Production Technologies 171 - Animation and Multimedia Design 8014 - Social Service (evening attendance) 9003 - Agronomy 9070 - Communication Design 9085 - Veterinary Nursing 9119 - Informatics Engineering 9130 - Equinculture 9147 - Management 9238 - Social Service 9254 - Tourism 9500 - Nursing 9556 - Oral Hygiene 9670 - Advertising and Marketing Management 9773 - Journalism and Communication 9853 - Basic Education 9991 - Management (evening attendance)	NA	9.90	171, 9254, 9070, 9773, 8014, 9991, 9500, 9238, NA, 9670, 9853, 9085, 9130, 9556, 9147, 9003, 33, 9119	Course enrolled
Daytime evening attendance	Binary	0 - 1	1 – daytime 0 - evening	NA	9.70	1, 0, NA	Schedule in which the person attends class

Table 1: Variables Metadata table (*continued*)

Variable	Type	Range	Modalities	Missing_Code	Missing_Percentage	Unique_Values	Meaning
Previous qualification	Categorical	-	1 - Secondary education 2 - Higher education - bachelor's degree 3 - Higher education - degree 4 - Higher education - master's 5 - Higher education - doctorate 6 - Frequency of higher education 9 - 12th year of schooling - not completed 10 - 11th year of schooling - not completed 12 - Other - 11th year of schooling 14 - 10th year of schooling 15 - 10th year of schooling - not completed 19 - Basic education 3rd cycle (9th/10th/11th year) or equiv. 38 - Basic education 2nd cycle (6th/7th/8th year) or equiv. 39 - Technological specialization course 40 - Higher education - degree (1st cycle) 42 - Professional higher technical course 43 - Higher education - master (2nd cycle)	NA	9.76	1, 19, NA, 39, 10, 3, 40, 2, 4, 42, 12, 43, 15, 6, 9, 38, 5, 14	Education level at which the student was able to qualify
Previous qualification grade	Numerical	0 - 200	-	NA	10.13	-	Student's grade in previous studies
Nacionality	Categorical	-	1 - Portuguese; 2 - German; 6 - Spanish; 11 - Italian; 13 - Dutch; 14 - English; 17 - Lithuanian; 21 - Angolan; 22 - Cape Verdean; 24 - Guinean; 25 - Mozambican; 26 - Santomean; 32 - Turkish; 41 - Brazilian; 62 - Romanian; 100 - Moldova (Republic of); 101 - Mexican; 103 - Ukrainian; 105 - Russian; 108 - Cuban; 109 - Colombian	NA	9.99	1, 62, NA, 6, 41, 26, 103, 13, 25, 21, 101, 11, 22, 32, 100, 24, 109, 2, 108, 105, 14, 17	Student's nationality
Admission grade	Numerical	0 - 200	-	NA	8.91	-	Admission grade of the student
Displaced	Binary	0 - 1	1 - yes 0 - no	NA	10.38	1, NA, 0	Indicates if the person has been forced to leave their habitual residence due to factors such as war or a natural disaster
Educational special needs	Binary	0 - 1	1 - yes 0 - no	NA	10.87	0, NA, 1	Indicates if the person requires any type of assistance regarding education

Table 1: Variables Metadata table (*continued*)

Variable	Type	Range	Modalities	Missing_Code	Missing_Percentage	Unique_Values	Meaning
Debtor	Binary	0 - 1	1 – yes 0 – no	NA	10.31	0, 1, NA	Indicates if the student has outstanding payments
Gender	Binary	0 - 1	1 – male 0 – female	NA	9.97	1, 0, NA	Gender of the student
Scholarship holder	Binary	0 - 1	1 – yes 0 – no	NA	9.65	0, NA, 1	Indicates if the person receives a scholarship
Curricular units 1st.sem (enrolled)	Numerical	0 - 26	-	NA	9.61	-	Number of courses enrolled in the 1st semester
Curricular units 1st.sem (approved)	Numerical	0 - 26	-	NA	9.67	-	Number of courses approved in the 1st semester
Curricular units 2nd.sem (enrolled)	Numerical	0 - 23	-	NA	10.83	-	Number of courses enrolled in the 2nd semester
Curricular units 2nd.sem (approved)	Numerical	0 - 20	-	NA	9.83	-	Number of courses approved in the 2nd semester
Unemployment rate	Numerical	0 - 100	-	NA	9.72	-	Unemployment rate after completing the degree
Target	Categorical	-	Dropout, Enrolled, Graduate	None	0.00	Dropout, Graduate, Enrolled	Student's classification at the end of the academic year