

Uspjeh učenika u školi

Opis skupa podataka

Varijable i njihovo značenje

Varijabla	Opis i vrijednosti
school	student's school (binary: 'GP' – Gabriel Pereira or 'MS' – Mousinho da Silveira)
sex	student's sex (binary: 'F' – female or 'M' – male)
age	student's age (numeric: from 15 to 22)
address	student's home address type (binary: 'U' – urban or 'R' – rural)
famsize	family size (binary: 'LE3' – less or equal to 3 or 'GT3' – greater than 3)
Pstatus	parent's cohabitation status (binary: 'T' – living together or 'A' – apart)
Medu	mother's education (numeric: 0 – none, 1 – primary education (4 th grade), 2 – 5 th to 9 th grade, 3 – secondary education or 4 – higher education)
Fedu	father's education (numeric: 0 – none, 1 – primary education (4 th grade), 2 – 5 th to 9 th grade, 3 – secondary education or 4 – higher education)
Mjob	mother's job (nominal: 'teacher', 'health' care related, civil 'services' (e.g. administrative or police), 'at_home' or 'other')
Fjob	father's job (nominal: 'teacher', 'health' care related, civil 'services' (e.g. administrative or police), 'at_home' or 'other')
reason	reason to choose this school (nominal: close to 'home', school 'reputation', 'course' preference or 'other')
guardian	student's guardian (nominal: 'mother', 'father' or 'other')
traveltime	home to school travel time (numeric: 1 – less than 15 min., 2 – 15 to 30 min., 3 – 30 min. to 1 hour, or 4 – more than 1 hour)
studytime	weekly study time (numeric: 1 – less than 2 hours, 2 – 2 to 5 hours, 3 – 5 to 10 hours, or 4 – more than 10 hours)
failures_mat	number of past mathematics class failures (numeric: n if $0 \leq n \leq 3$, else 4)
failures_por	number of past Portuguese class failures (numeric: n if $0 \leq n \leq 3$, else 4)
schoolsup	extra educational support (binary: yes or no)
famsup	family educational support (binary: yes or no)
paid_mat	extra paid classes in mathematics (binary: yes or no)
paid_por	extra paid classes in Portuguese (binary: yes or no)
activities	extra-curricular activities (binary: yes or no)
nursery	attended nursery school (binary: yes or no)
higher	wants to take higher education (binary: yes or no)
internet	Internet access at home (binary: yes or no)
romantic	with a romantic relationship (binary: yes or no)
famrel	quality of family relationships (numeric: from 1 – very bad to 5 – excellent)

<code>freetime</code>	free time after school (numeric: from 1 – very low to 5 – very high)
<code>goout</code>	going out with friends (numeric: from 1 – very low to 5 – very high)
<code>Dalc</code>	workday alcohol consumption (numeric: from 1 – very low to 5 – very high)
<code>Walc</code>	weekend alcohol consumption (numeric: from 1 – very low to 5 – very high)
<code>health</code>	current health status (numeric: from 1 – very bad to 5 – very good)
<code>absences_mat</code>	number of school absences – mathematics (numeric: from 0 to 93)
<code>absences_por</code>	number of school absences – Portuguese (numeric: from 0 to 93)
<code>G1_mat</code>	first period grade in mathematics (numeric: from 0 to 20)
<code>G2_mat</code>	second period grade in mathematics (numeric: from 0 to 20)
<code>G3_mat</code>	final grade in mathematics (numeric: from 0 to 20)
<code>G1_por</code>	first period grade in Portuguese (numeric: from 0 to 20)
<code>G2_por</code>	second period grade in Portuguese (numeric: from 0 to 20)
<code>G3_por</code>	final grade in Portuguese (numeric: from 0 to 20)

Definiranje ocjena

U portugalskim srednjim školama koristi se sustav ocjenjivanja na skali od 0 do 20 uz sljedeće značenje (*izvor: World Education Network*):

- Score of 20 indicates **Very good performance with distinction and honors** (*Muito bom con distincao e louvor*). An US grade equivalent is A+.
- Scores between 18.00-19.99 on a Portuguese scale indicates **excellent** (*Excelente*) and a US grade A+ is assigned.
- Scores between 16.00-17.99 indicates **very good** (*Muito Bom*) with a few errors, and a US grade A is assigned.
- Scores between 14.00-15.99 indicates **good** (*Bom*) with some errors and a US grade B is assigned.
- Scores between 10.00-13.99 indicates **sufficient** (*Suficiente*) and a US grade C is assigned.
- Scores between 7.00-9.99 indicates **poor** (*Mediocre*) performance and a US grade F is assigned.
- Scores between 1.00-6.99 indicates **very poor** (*Mau*) and a US grade F is assigned.

Za uspješno polaganje predmeta potrebno je ostvariti ocjenu 10 ili više.