1. school - student's school (binary: 'GP' - Gabriel Pereira or 'MS' - Mousinho da Silveira)

GP:1

MS:0

1. sex - student's sex (binary: 'F' - female or 'M' - male)

Female-0

Male-1

1. age - student's age (numeric: from 15 to 22)
2. address - student's home address type (binary: 'U' - urban or 'R' - rural)

U-1

R-0

1. famsize - family size (binary: 'LE3' - less or equal to 3 or 'GT3' - greater than 3)

LE3-1

GT3-0

1. Pstatus - parent's cohabitation status (binary: 'T' - living together or 'A' - apart)

T-1

A-0

1. Medu - mother's education (numeric: 0 - none, 1 - primary education (4th grade), 2 – 5th to 9th grade, 3 – secondary education or 4 – higher education)
2. Fedu - father's education (numeric: 0 - none, 1 - primary education (4th grade), 2 – 5th to 9th grade, 3 – secondary education or 4 – higher education)
3. Mjob - mother's job (nominal: 'teacher', 'health' care related, civil 'services' (e.g. administrative or police), 'at\_home' or 'other')

Teacher-5

Health-2

Services-4

At home-1

Other-3

1. Fjob - father's job (nominal: 'teacher', 'health' care related, civil 'services' (e.g. administrative or police), 'at\_home' or 'other')

Teacher-

Health-

Services-

At home-

Other-

Same as above

1. reason - reason to choose this school (nominal: close to 'home', school 'reputation', 'course' preference or 'other')
2. guardian - student's guardian (nominal: 'mother', 'father' or 'other')
3. traveltime - home to school travel time (numeric: 1 - 1 hour)
4. studytime - weekly study time (numeric: 1 - 10 hours)
5. failures - number of past class failures (numeric: n if 1<=n<3, else 4)
6. schoolsup - extra educational support (binary: yes or no)
7. famsup - family educational support (binary: yes or no)
8. paid - extra paid classes within the course subject (Math or Portuguese) (binary: yes or no)
9. activities - extra-curricular activities (binary: yes or no)
10. nursery - attended nursery school (binary: yes or no)
11. higher - wants to take higher education (binary: yes or no)
12. internet - Internet access at home (binary: yes or no)
13. romantic - with a romantic relationship (binary: yes or no)
14. famrel - quality of family relationships (numeric: from 1 - very bad to 5 - excellent)
15. freetime - free time after school (numeric: from 1 - very low to 5 - very high)
16. goout - going out with friends (numeric: from 1 - very low to 5 - very high)
17. Dalc - workday alcohol consumption (numeric: from 1 - very low to 5 - very high)
18. Walc - weekend alcohol consumption (numeric: from 1 - very low to 5 - very high)
19. health - current health status (numeric: from 1 - very bad to 5 - very good)
20. absences - number of school absences (numeric: from 0 to 93)