**Attribute Information**

Here is the attribute information for our data set: Attribute Information:

* 1 school - student's school (binary: 'GP' - Gabriel Pereira or 'MS' - Mousinho da Silveira)
* 2 sex - student's sex (binary: 'F' - female or 'M' - male)
* 3 age - student's age (numeric: from 15 to 22)
* 4 address - student's home address type (binary: 'U' - urban or 'R' - rural)
* 5 famsize - family size (binary: 'LE3' - less or equal to 3 or 'GT3' - greater than 3)
* 6 Pstatus - parent's cohabitation status (binary: 'T' - living together or 'A' - apart)
* 7 Medu - mother's education (numeric: 0 - none, 1 - primary education (4th grade), 2 â€“ 5th to 9th grade, 3 â€“ secondary education or 4 â€“ higher education)
* 8 Fedu - father's education (numeric: 0 - none, 1 - primary education (4th grade), 2 â€“ 5th to 9th grade, 3 â€“ secondary education or 4 â€“ higher education)
* 9 Mjob - mother's job (nominal: 'teacher', 'health' care related, civil 'services' (e.g. administrative or police), 'at\_home' or 'other')
* 10 Fjob - father's job (nominal: 'teacher', 'health' care related, civil 'services' (e.g. administrative or police), 'at\_home' or 'other')
* 11 reason - reason to choose this school (nominal: close to 'home', school 'reputation', 'course' preference or 'other')
* 12 guardian - student's guardian (nominal: 'mother', 'father' or 'other')
* 13 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)
* 14 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)
* 15 failures - number of past class failures (numeric: n if between 1 and 3 , else 4)
* 16 schoolsup - extra educational support (binary: yes or no)
* 17 famsup - family educational support (binary: yes or no)
* 18 paid - extra paid classes within the course subject (Math or Portuguese) (binary: yes or no)
* 19 activities - extra-curricular activities (binary: yes or no)
* 20 nursery - attended nursery school (binary: yes or no)
* 21 higher - wants to take higher education (binary: yes or no)
* 22 internet - Internet access at home (binary: yes or no)
* 23 romantic - with a romantic relationship (binary: yes or no)
* 24 famrel - quality of family relationships (numeric: from 1 - very bad to 5 - excellent)
* 25 freetime - free time after school (numeric: from 1 - very low to 5 - very high)
* 26 goout - going out with friends (numeric: from 1 - very low to 5 - very high)
* 27 Dalc - workday alcohol consumption (numeric: from 1 - very low to 5 - very high)
* 28 Walc - weekend alcohol consumption (numeric: from 1 - very low to 5 - very high)
* 29 health - current health status (numeric: from 1 - very bad to 5 - very good)
* 30 absences - number of school absences (numeric: from 0 to 93)

**these grades are related with the course subject, Math:**

* 31 G1 - first period grade (numeric: from 0 to 20)
* 31 G2 - second period grade (numeric: from 0 to 20)
* 32 G3 - final grade (numeric: from 0 to 20, output target)