datasets:

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 - <15 min., 2 - 15 to 30 min., 3 - 30 min. to 1 hour, or 4 - >1 hour)   
14 studytime - weekly study time (numeric: 1 - <2 hours, 2 - 2 to 5 hours, 3 - 5 to 10 hours, or 4 - >10 hours)   
15 failures - number of past class failures (numeric: n if 1<=n<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 or Portuguese:   
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)