=== Run information ===

Scheme: weka.classifiers.functions.LinearRegression -S 0 -R 1.0E-8 -num-decimal-places 4

Relation: CleanedNumData-weka.filters.unsupervised.instance.Randomize-S42-weka.filters.unsupervised.instance.Randomize-S42-weka.filters.unsupervised.instance.Randomize-S42-weka.filters.unsupervised.instance.Randomize-S42-weka.filters.unsupervised.instance.Randomize-S42-weka.filters.unsupervised.instance.Randomize-S42-weka.filters.unsupervised.instance.Randomize-S42-weka.filters.unsupervised.instance.Randomize-S42-weka.filters.unsupervised.instance.Randomize-S42-weka.filters.unsupervised.instance.Randomize-S42-weka.filters.unsupervised.instance.Randomize-S42-weka.filters.unsupervised.instance.RemovePercentage-P20.0

Instances: 316

Attributes: 25

sex

age

address

famsize

Pstatus

Medu

Fedu

traveltime

studytime

failures

schoolsup

famsup

paid

activities

higher

internet

romantic

famrel

freetime

goout

Dalc

Walc

health

absences

G

Test mode: 10-fold cross-validation

=== Classifier model (full training set) ===

Linear Regression Model

G =

0.7663 \* sex=M +

0.9875 \* address=U +

0.6192 \* famsize=LE3 +

2.8178 \* Medu=none +

1.0935 \* Fedu=college,none +

0.9517 \* studytime=2 to 5 hours,5 to 10 hours,10 hours +

0.8162 \* studytime=5 to 10 hours,10 hours +

-1.4138 \* failures +

1.1911 \* schoolsup=no +

0.6042 \* famsup=no +

0.7867 \* internet=yes +

0.8402 \* romantic=no +

1.2615 \* famrel=bad,excellent,very bad +

-1.1106 \* famrel=excellent,very bad +

1.1494 \* freetime=very high,low +

0.9135 \* goout=very low,average,low +

0.7136 \* goout=low +

0.8155 \* Dalc=average,very low +

1.0766 \* Walc=very high,average,low,very low +

-0.8094 \* Walc=low,very low +

1.3727 \* health=very bad +

3.8393

Time taken to build model: 0.02 seconds

=== Cross-validation ===

=== Summary ===

Correlation coefficient 0.2951

Mean absolute error 2.8638

Root mean squared error 3.7225

Relative absolute error 99.0252 %

Root relative squared error 100.2698 %

Total Number of Instances 316