=== Run information ===

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

Relation: CleanedPorNumData-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-V

Instances: 130

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 =

0.722 \* sex=F +

0.9202 \* address=U +

0.8864 \* famsize=GT3 +

7.041 \* Medu=elementary,junior high,high school,college +

0.7146 \* Medu=high school,college +

1.6177 \* Fedu=junior high,high school,college +

-1.134 \* Fedu=high school,college +

1.8034 \* traveltime=30 min to 1 hr,<15 min +

-0.9126 \* traveltime=<15 min +

-1.4634 \* studytime=2 to 5 hours,10 hours,5 to 10 hours +

1.6256 \* studytime=10 hours,5 to 10 hours +

-1.8007 \* failures +

2.4822 \* schoolsup=no +

1.6235 \* activities=yes +

2.0542 \* higher=yes +

1.9803 \* famrel=bad,excellent,good +

-1.6309 \* famrel=excellent,good +

1.4826 \* famrel=good +

2.0722 \* freetime=high,average,low +

-0.7738 \* freetime=average,low +

1.0709 \* goout=very low,low,average +

5.8795 \* Dalc=high,average,low,very low +

-2.9643 \* Walc=high,average,very low,low +

0.8339 \* Walc=low +

-1.3117 \* health=very good,average,bad,good +

1.2174 \* health=average,bad,good +

-8.309

Time taken to build model: 0.02 seconds

=== Cross-validation ===

=== Summary ===

Correlation coefficient 0.2943

Mean absolute error 2.509

Root mean squared error 3.3311

Relative absolute error 105.6109 %

Root relative squared error 110.8007 %

Total Number of Instances 130