=== 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

Instances: 519

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 =

0.2657 \* age +

0.5604 \* address=U +

0.7084 \* Medu=college +

0.4876 \* Fedu=college +

1.5308 \* traveltime=30 min to 1 hr,15 to 30 min,<15 min +

0.4446 \* studytime=2 to 5 hours,5 to 10 hours,10 hours +

0.6184 \* studytime=5 to 10 hours,10 hours +

-1.3441 \* failures +

1.6658 \* higher=yes +

0.4498 \* romantic=no +

0.9681 \* famrel=average,excellent,good +

0.3758 \* famrel=good +

0.6936 \* freetime=low +

1.1871 \* goout=very high,average,high,low +

0.7061 \* goout=low +

1.5025 \* Dalc=very high,average,low,very low +

0.4014 \* Walc=very low +

0.6012 \* health=bad,good,very bad +

-1.2283

Time taken to build model: 0.03 seconds

=== Cross-validation ===

=== Summary ===

Correlation coefficient 0.4415

Mean absolute error 1.9824

Root mean squared error 2.645

Relative absolute error 89.1047 %

Root relative squared error 91.2712 %

Total Number of Instances 519