=== Run information ===

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

Relation: Matstudent-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: 33

school

sex

age

address

famsize

Pstatus

Medu

Fedu

Mjob

Fjob

reason

guardian

traveltime

studytime

failures

schoolsup

famsup

paid

activities

nursery

higher

internet

romantic

famrel

freetime

goout

Dalc

Walc

health

absences

G1

G2

G

Test mode: 10-fold cross-validation

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

Linear Regression Model

G =

-0.1721 \* age +

-0.391 \* Fjob=services,at\_home,teacher,health +

0.3885 \* reason=other,reputation +

-0.4085 \* reason=reputation +

-0.5283 \* schoolsup=no +

0.392 \* famrel +

0.0585 \* absences +

0.1927 \* G1 +

0.9587 \* G2 +

-0.3031

Time taken to build model: 0.02 seconds

=== Cross-validation ===

=== Summary ===

Correlation coefficient 0.9032

Mean absolute error 1.2644

Root mean squared error 1.9812

Relative absolute error 36.8289 %

Root relative squared error 42.9454 %

Total Number of Instances 316