Save a Regression Model: nagdmc_save_reg

Purpose

nagdmc_save_reg writes to a file a regression model generated by one of the following functions: **nagdmc_linear_reg**, **nagdmc_binomial**, **nagdmc_poisson**, **nagdmc_basic_reg**, **nagdmc_logit**, **nagdmc_probit**, **nagdmc_loglinear** or **nagdmc_stepwise_reg**. The model is saved to file and can be read back in using **nagdmc_load_reg** and used in functions **nagdmc_extr_reg** and **nagdmc_predict_reg**.

Declaration

```
#include <nagdmc.h>
void nagdmc_save_reg(const char fname[], double model[], int *info);
```

Parameters

1: **fname[]** – char   *Input*

    On entry: name of the file being written to.

2: **model[]** – double   *Input*

    On entry: information on the fitted model obtained from one of the regression functions described in 'See Also'.

    Constraint: **model** must not be 0.

3: **info** – int *   *Output*

    On exit: **info** gives information on the success of the function call:

        0: the function successfully completed its task.
        2: the specification of **model** was incorrect.
        46: information in **model** has been corrupted.
        71: the routine was unable to write to **fname**.

Notation

None.

Description

None.

References and Further Reading

None.

See Also

nagdmc_binomial_reg   generalized linear model with binomial errors.
nagdmc_extr_reg   computes fitted values, residuals and leverages for a regression.
nagdmc_linear_reg   linear model with Normal errors.
nagdmc_load_reg   load a previously saved linear model.
nagdmc_poisson_reg   generalized linear model with poisson errors.
nagdmc_predict_reg   computes predictions given a fitted regression model.
nagdmc_stepwise_reg   stepwise linear regression with Normal errors.
binomial_reg_ex.c   an example calling program.