Load a Regression Model: nagdmc_load_reg

Purpose

nagdmc_load_reg loads a regression model previously saved to file using **nagdmc_save_reg**.

nagdmc_load_reg returns an array holding the model information. This array can then be used directly in **nagdmc_extr_reg**, to calculated fitted values and residuals, or **nagdmc_predict_reg** to obtain predictions.

Declaration

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

Parameters

1: **fname[]** – char   *Input*

    On entry: name of the file being written to.

2: **info** – int *   *Output*

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

    > 0: the function successfully completed its task.

    > 46: information in **model** has been corrupted.

    > 70: the routine was unable to read **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_free_reg	returns memory allocated by **nagdmc_load_reg** to the operating system.
nagdmc_linear_reg	linear model with Normal errors.
nagdmc_poisson_reg	generalized linear model with poisson errors.
nagdmc_predict_reg	computes predictions given a fitted regression model.
nagdmc_save_reg	save a linear model.
nagdmc_stepwise_reg	stepwise linear regression with Normal errors.
linear_reg_ex.c	an example calling program.