## Supervised methods

TASK 1 - Supervised methods: File diet.dta is a Stata database including information about several diseases and confounding variables (columns 1-16), nutrients (columns 17-26) and food consumption (columns 27-48).

- 1. Load data into R and save the information in an object called diet.
- 2. Create a train database selecting 4000 samples randomly and a test database with the rest by executing:

- 3. Perform a variable selection using Random Forest and Linear Discriminat methods using train dataset to predict the different types of cancer (variable tipocancer).
- 4. Evaluate model performance using the test dataset.