- Algorithm for variable selection in binary classification, based on Tabu Search and Multi-Start Strategies.

- Programming language: Object-Pascal. Adapted to be executed in Rad Studio (version 10x or later).

- The method method is implemented in the *MultiStartClass* unit (with the name *MultiStart*).

The method has as input:

*alfax* : Controls the procedure (*Constructivo*)

*tenurex*, *maxitertabux* : Controls the procedure (*BTabu*)

*maxiterMSx* : Indicates stop criterion

The output of the method is

*Sx* : Set of variables that compose the solution

*px* : Size of the *Sx*

*Valuex* : Value of the objective function of the final solution *Sx*

- The procedure is implemented in the *ConstructivoClas* unit.

- The procedure is implemented in the *TabuClas* unit.

- In the *ParaleloClas* unit, a parallelized version of the method method (named *VersionParallel*) is implemented.

- The *FunctionsClass* unit contains different auxiliary functions. The *Tipos* unit contains the definition of parameters, data types and auxiliary variables.

- To execute the method, the procedures *LeerFicheroCompleto1* and *PrepararDatos* in this order, both from the *ClassFunctions* unit, must be executed previously. The procedure *LeerFicheroCompleto1* has as input parameter *cadenaIn*, string with the name of the file with the training set data. In this file each case corresponds to a row. The explanatory variables must be placed at the beginning and the class (target variable) is placed at the end of the row. The class should only take the values 0 or 1. The variables are separated by spaces.