CONFIGURATION FILE GENERATION FOR AUTOMATIC FIR RUNING

NOTE: Once you have defined your configuration file *.m* you need to run it and then save the Workspace in a *.mat* file, because the automatic process of Visual-FIR reads it as *.mat*

Data Loading Parameters:

FitxerEntradaEnt (char): Filename that contains the training data set.

FitxerEntradaTest (char): Filename that contains the test data set.

NomFitxerSor (char): Filename where the results will be saved.

VariableSortida (char): Output variable name.

VariablesEntrada (char): Input variable names list, separated by semicolons.

Discretization Process Parameters:

Classes (char): Number of classes for all the variables. If you wish to have different number of classes and discretization algorithms for each variable you need to create a discretization file and, in that case, this parameter (**Classes**) is ignored.

FitxerCodif (double): Binary parameter that indicates if a discretization file exists or not.

NomFitxerCodif (char): Filename that contains the discretization of each variable. It is only used if the parameter FitxerCodif is set to 1. In order to create the discretization file please follow the instructions of the document called Automatic-FIR-DiscretizationFile.

Modeling and Prediction Processes Parameters:

Complexitat (char): Maximum complexity of a candidate mask (2 to 9).

Profunditat (char): Depth of the mask.

VGnVeins (double): Global variable nVeins, that represents the number of nearest neighbors that you want to take into account in the prediction process.

MasComp (double): Binary parameter that indicates if you want to save the mask with higher complexity or not. Set to 0, the mask with higher quality is saved. Set to 1, the mask with the complexity defined in variable **ValMasComp** is saved.

ValMasComp (char): Complexity of the mask that you want to save (unless you want to save the mask with higher complexity).

VGconfi (double): Variable global confi, that corresponds to the confidence measure. Set to 0 means no confidence measure is computed.

VGmiss_data (double): Global variable miss_data. If the data contains missing values, this parameter should take the number used in the data to represent the missing values. If there are not missing values in the data this parameter should be 0.

VGabs_weight (double): Global variable abs_weight. (Do not change)

VGdef (double): Global variable def. (Do not change)

VGdistance (double): Global variable distance. (Do not change)

VGmemb_shape (double): Global variable memb_shape. (Do not change)

VGnorm_reg (double): Global variable norm_reg. (Do not change)

VGqualms (double): Global variable qualms. (Do not change)

VGrepo (double): Global variable repo. (Do not change)

VisualBlockFIR Parameters (Do not change)

GenerarModel (double): Binary parameter that indicates if it is necessary to generate the files for the VisualBlockFIR or not.

NomModel (char): Filenames where the VisualBlockFIR models will be saved.

VGenvol (double): Global variable envol.