Operative

1. Obtain the information about galaxies in the form of CSV file (output as CSV separator other ;) through the link http://leda.univ-lyon1.fr/fullsql.html.
2. Create the files with the training and test samples using the Gly application for Windows that is in Gly/Apps/ Gly/Gly.rar
3. Train the model using the R script: Classification_XGB.R (Gly/Apps/R folder).
4. The Gly3D application for Windows (Gly/Apps/Gly3D/Gly3D.rar) allows 3D visualization of galaxies or cell files generated with Gly

HyperLEDA is a database and a collection of tools to study the physics of galaxies and cosmology. The project, started in 1983, is currently maintained by a collaboration between Observatoire de Lyon (France) and the Special Astrophysical Observatory (Russia).