

Running Vista

1. running time environment

JDK (version ≥ 1.2) Windows, UNIX or Linux

2. for Windows (98/NT/2000)

run "runvista.bat"

3. for UNIX or Linux

>chmod 744 runvista.sh

>./runvista.sh

4. Part of functions is disabled in this version. Some accessory components, such as sampling and clustermapping components mentioned in the technical report, are also not included.

FAQs

1. Can't run Vista program

The problem probably is JDK has not been installed in your computer or the version of JDK is lower than 1.2. To solve this problem, please go to site: <http://java.sun.com/j2se/1.4/download.html> to get J2SE v 1.4 or newer and install it in your computer. If JDK has been installed in your computer system, but you still can not run the program, please specify the absolute path in file "runvista.bat" for windows system or in file "runvista.sh" for UNIX/Linux system.

2. Can start Vista program but some components are displayed incompletely.

Make sure you are using new version JDK ($\geq v1.2$). Please check the JDK version by "java -version". If the proper version is not in the default directory, please edit "runvista.sh" for UNIX or "runvista.bat" for Windows to specify the JDK bin directory. For example, in my machine the new version is installed in e:\j2sdk1.4.0, I specify it in runvista.bat, "e:\j2sdk1.4.0\bin\javaw -classpath vdm.zip;NGP.zip vdm.ClusterDetector

3. Where are the test datasets?

They are in the subdirectory "datasets". Most datasets used in the web site <http://disl.cc.gatech.edu/VISTA> can be found there. The datasets named "sdss--" are web log datasets.

Startup

1. Load a dataset by click "Load" button on the control panel, and choose one dataset from the "datasets" directory. For example, we choose the 5-d web log dataset to load in.

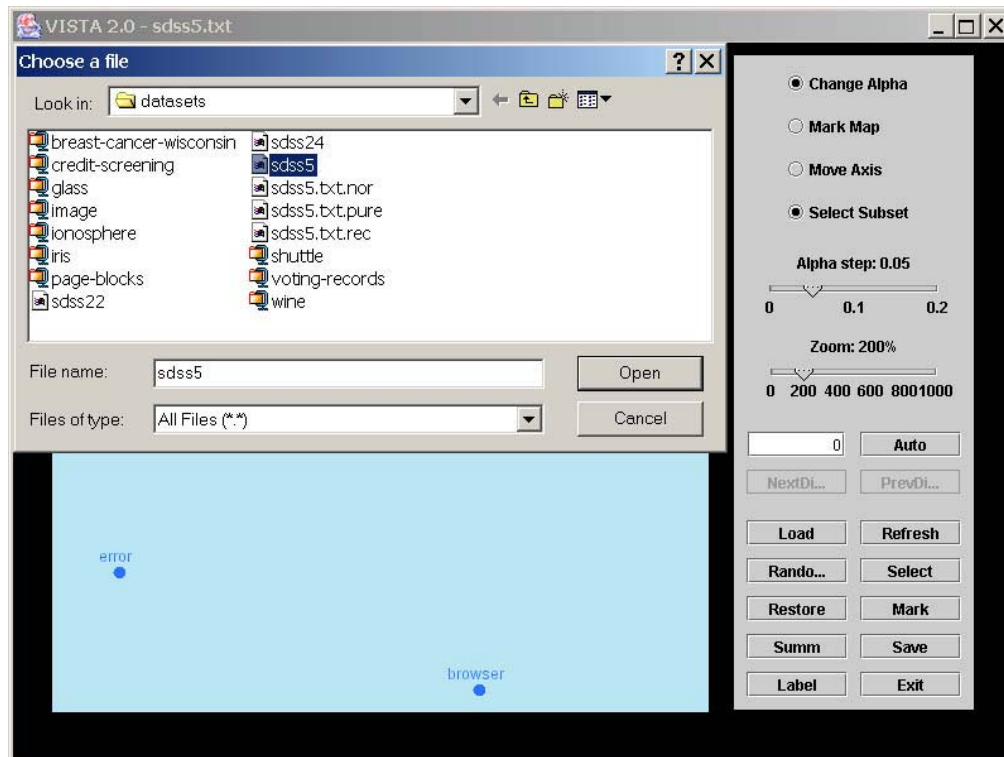


Figure 1: Loading a dataset

2. After selecting the dataset, an option dialog is popped up to enable the user to set some visualization parameters, including

- Initial point size (in 200% visualization), from diameter of 1 pixel to 3 pixels,
- Resizable points that can be resized when zoomed in or zoomed out,
- The Column names in the dataset. The column names can be added to the first line of the dataset, which will appear on the top of each dimension widget. If a dataset has no column name, the columns are named from 0 to n-1, where n is the dimensionality of the dataset. The loaded “sdss5” dataset has column names.
- The labels in the dataset. Some test datasets contains cluster labels at the first column or the last column. The “sdss5” dataset has no labels.
- The function of dimensionality reduction is disabled in this version.

After setting the options, click “continue” button the initial visualization is produced.

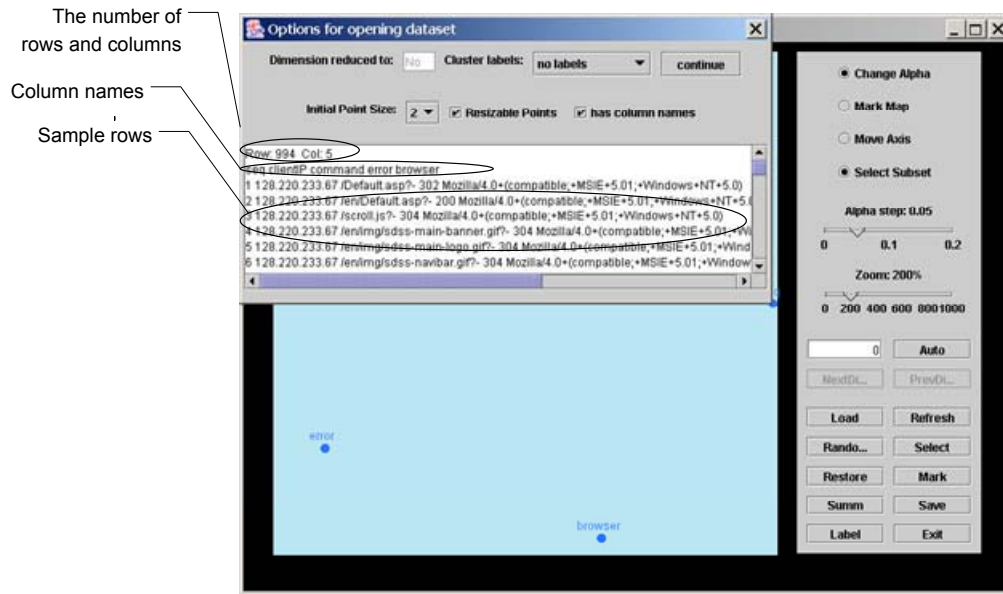


Figure 2: The option dialog

3. Follows the directions in the introduction of interactive techniques and rendering rules at <http://disl.cc.gatech.edu/VISTA>, to enjoy the Vista cluster rendering tool.