Known Issues and Additional Information for Revolution R Enterprise 5.0

RevoScaleR

Distributed Computing:

Known Issues
- [FIXED IN RELEASE 5.0.1] registerDoRSR should only be used in a distributed compute context with wait=TRUE. If wait is set to FALSE, foreach calls will always return empty lists.

Additional Information
- Distributed computing functionality is not supported for 32-bit Windows HPC Server node installations of Revolution R Enterprise.
- In extremely long sessions with frequent distributed computing calls to Windows HPC Server, a memory leak may occur.
- On Windows XP systems, rxExec and rxGetJobResults may take a long time to return if autoCleanup=TRUE.
- rxExec can appear to be inactive if a hidden authentication window is waiting for input by the user.
- Using doRSR with useDoSMP=TRUE: If you have previously created workers with doSMP, be sure those workers have been stopped and their queues removed before attempting to use doRSR.

Data Manipulation

Known Issues
- Using a transform to change a variable's data type is not supported when repeated calls to rxImport or rxTextToXdf are used to import and append rows, combining multiple input files into a single .xdf file.
- In rxImport, if rowsToSkip is positive and firstRowIsColNames is set toTRUE, all data will be imported as character data
- [FIXED IN RELEASE 5.0.1] rxMerge erroneously returns FALSE if the outFile file name has no .xdf extension, even though the merge is successful. Also, use of the newVarNames arguments sometimes leads to the renaming of additional variables. If variables need renaming, it is recommended instead to use rxSetVarInfo to rename variables before using rxMerge.

Additional Information
- If you use data sets with extremely large numbers of variables (e.g., over 40,000), you should set the max-ppsize flag when starting R in order to use functions such as rxGetVarInfo . For example, using R directly (i.e., rgui.exe or rterm.exe), set the max-ppsize=500000 when you type R: R --max-ppsize=500000. On Windows with the RPE, set the max-ppsize flag in the call to the RevoIDE executable: RevoIDE.exe /RCommandLine --max-ppsize=500000.

Analysis Functions

Known Issues

- [FIXED IN RELEASE 5.0.1] If using rxKmeans with data with missing values, the number of valid and missing obs should be recomputed using rxSummary, using the rxKmeans model variables and setting the byTerm argument to FALSE.
- In rxPredict, rows with NA's in the response variable will have NA's for all output variables.
- The rxLogit function removes missings from all variables that are read from the data source before doing any transformations or computations.
- Ordered factors are treated the same as factors in RevoScaleR analysis functions

The R Productivity Environment

Known Issues

- [FIXED IN RELEASE 5.0.1] The rxExec code snippet has an error at the end.
- You cannot debug into code that has been loaded using the source() function within a script. Instead, when in debug mode, use the right-click menu in the Solution Explorer to load the code.
- The q() function is not supported in the RPE. Using it will cause the underlying R engine to shut down, but leave the RPE shell running but non-functional.

Additional Information

- [FIXED IN RELEASE 5.0.1] On Windows 7, if you want to pin the Revolution R Enterprise 5.0 (32) or (64) icon to the start menu, you must first modify the icon properties. Before doing this, verify that the folder "Revolution" has been created in your Documents or My Documents folder, and if not, create it. Then proceed as follows (you will need Administrator privileges to make this change):
  - Right click on the icon and select Properties.
  - In the Target field, delete "Run_GUI.bat " from the middle of the expression, so that the full path to the executable remains, for example, C:\Revolution\R-Enterprise-5.0\IDE64\REvoIDE.exe.
  - In the Start in field, replace the contents with %USERPROFILE%\Documents\Revolution.
  - Change the Run drop-down to Normal window.
  - Press OK.
- Installation on 32-bit Windows Server 2003 SP2 sometimes results in the warning: No template information found. To resolve the issue, run the following as an admin at the command prompt in the IDE32 directory of your installation: REvoIDE.exe/installvstemplates
- The first time you launch the help system, it may set itself to use online help before local help. If this occurs, you may not see the correct help for RPE dialogs. To be sure you have the correct help available, choose Options… from the Tool menu, then expand Environment, then expand Help, and click Online. Under "When loading help content," select "Try local first, then online."