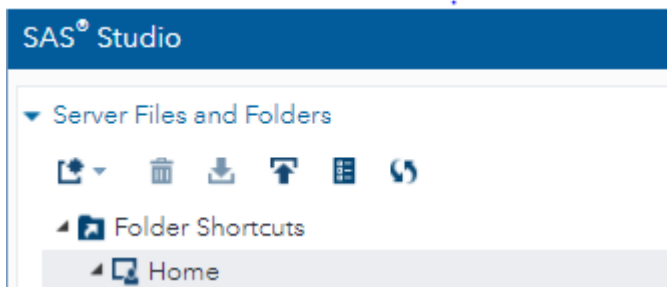


Using Eventus[®] via SAS Studio on WRDS

1. Go to <https://wrds-cloud.wharton.upenn.edu/SASStudio> and sign in using your WRDS credentials.
2. On the far left, under Server Files and Folders, expand Folder Shortcuts so that you see Home and your files under it, like this:



3. Right-click on Home and select Upload Files.... and upload your text request file like you would for the web query.
4. Type or paste the SAS and Eventus code lines you want to run into the Code panel of the Program 1 tab (or any program tab).
5. Click the runner icon:



6. The results and SAS log (which is always worth a glance as it may report something you need to know) appear in their respective panels.
7. If your code creates one or more files other than SAS data sets, they will appear under Server Files and Folders. See the tips concerning such files at the end of this document if you are writing new code yourself or running code not designed for SAS Studio.
8. If your code includes one or more SAS data set output options, an Output Data panel appears in which you can view each data set. Note that there is a dropdown menu that lets you toggle between column names and column labels. Names are used to refer to the columns in SAS code, while labels are sometimes more informative for viewing. The data set is ready to work with using SAS code in SAS Studio.

If you want to download the data set for use in PC SAS, use the Server Files and Folders area where you uploaded your request file. The data set appears as a file with the name in your code and the extension sas7bdat, e.g. individualbhars.sas7bdat. Right-click the name and select Download File. If there is a second file with a slightly different extension, e.g. individualbhars.sas7bndx, download it also.

To export an output data set to a non-SAS format, use the Server Files and Folders area where you uploaded your request file. Click the little diagonal solid triangle to collapse Folder Shortcuts, scroll down to and expand Libraries, under which appears My Libraries which you can expand if it is collapsed. You will see a long list that includes pre-defined libraries, for various databases that WRDS offers, whether you have access to their contents or not. Scroll down and find HOMEDIR or WORK, under which find your data set, e.g. individualbhars. Right-click the name and select Export. In the Export dialog, in the Folders square, select Home under Folder Shortcuts at the top. Select the desired format from the drop-down menu and click the Export button. The exported version will be saved in your WRDS home directory. Go back to Folder Shortcuts, Home as in Step 2 to find the exported file and download it to your PC if desired. Several of the Out__= options in Eventus have Excel, CSV and DTA counterparts to create the non-SAS version directly.

Tips for Referring to General Files and SAS Data Sets in Code

SAS Studio, when executing code, defaults to looking for and creating non-SAS files, such as text, Stata, CSV, and Excel files, in an inaccessible location. The solution is to start such file names with the two characters ~/, which point to your WRDS home directory (folder).

For example, your code should refer to your request file using a SAS statement like the following, where myrequestfilename.txt should be replaced by your actual file name and extension:

```
filename request '~/myrequestfilename.txt';
```

Similarly, any time your code gives the name of a file (other than a SAS data set) for SAS or Eventus to create, start with ~/ . The file name should be enclosed in single or double quotes in regular SAS code; quotes are not needed for arguments to Eventus options.

If your program includes one or more options to create output in a SAS data set that you will download for use with PC SAS or that you would like to keep in your WRDS account, include a code line anywhere before the Eventus; line that reads

```
libname homedir '~';
```

and code each output data set name as homedir.something, for example

OutWin=homedir.IndividualBHARs. If you will be exporting the data set to Excel, Stata or other non-SAS format or working with it right away in SAS Studio and don't need to save it in your WRDS account, you can skip the libname statement and omit the homedir-dot prefix. If you have existing code with a work-dot prefix on an output SAS data set, that is equivalent to having no prefix.