

Tutorial for Installation and Execution of Example for IVEware v0.3 run in XML editor with SAS

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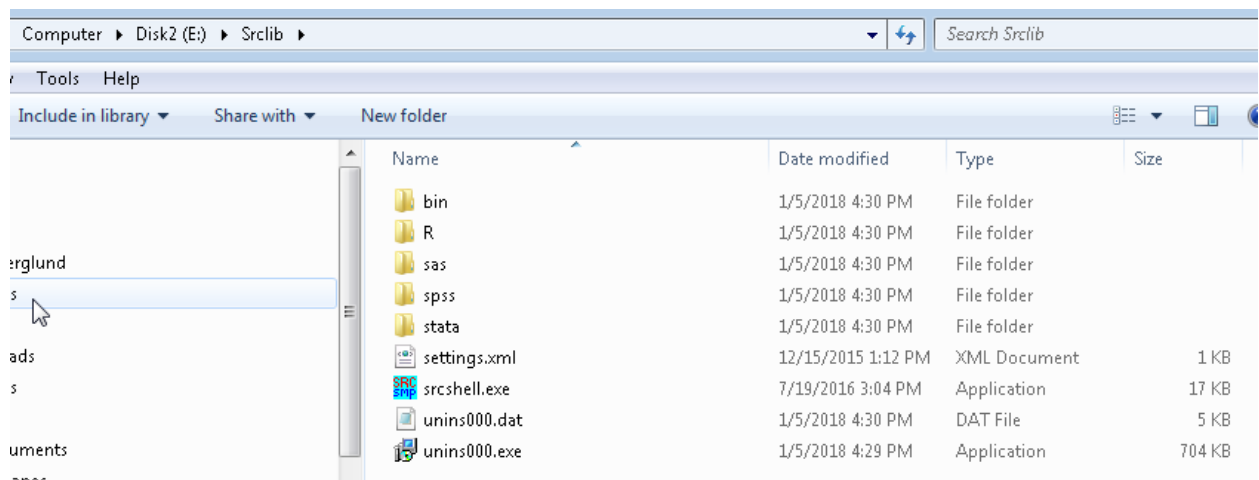
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Following instructions from our website, I will demonstrate how to install IVEware for Windows and run examples of IVEware using the SRCShell (XML) editor with SAS.

IVEware for Windows

1. Install Srclib. Download the [srclib_windows.exe](#) installer and run it. The default directory for the installation is “C:\Program Files (x86)\Srclib”, but you can put it wherever you want it. The location you choose will replace “~/srclib” in the guides for using IVEware with R, SAS, SPSS, Stata and Srcware. The installer will create a desktop icon unless you tell it not to.

I installed IVEware in the following directory e:\srclib. Once installed I have an icon on my desktop that refers to this installation. I renamed the icon once it was installed.



2. If you plan to use Srclib with R, SAS, SPSS or Stata and the version you want can't be invoked by its lower-case name, edit the Srclib\settings.xml file to provide the correct path. You can get the correct path from the properties of the desktop icon for the software.

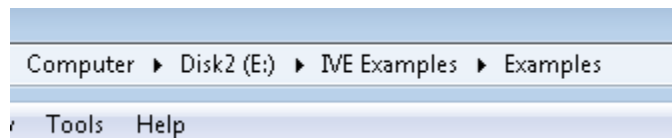
Here is the content of the settings.xml file on my IVEware installation. The paths refer to the location of gnuplot, R, SAS, SPSS, and Stata on my particular PC. You may need to alter the paths if you plan to use each of these software. For example, if SAS on your PC is in "C:\SASHome2\SASFoundation\sas.exe" then you would alter the path and save as a new "settings.xml" in the same folder.

Usually, if the paths are not correct in this file then the program stops before opening the software used (SAS, SPSS etc.)

```
<settings>
<frameworks>
  <gnuplot path="C:\Program Files (x86)\gnuplot\bin\wgnuplot.exe" />
  <r path="C:\Program Files\R\R-3.2.1\bin\x64\R.exe" />
  <sas path="C:\Program Files\SASHome\SASFoundation\9.4\sas.exe" />
  <spss path="C:\Program Files\IBM\SPSS\Statistics\22\stats.exe" />
  <stata path="M:\stata14SE-64bit\StataSE-64.exe" />
</frameworks>
</settings>
```

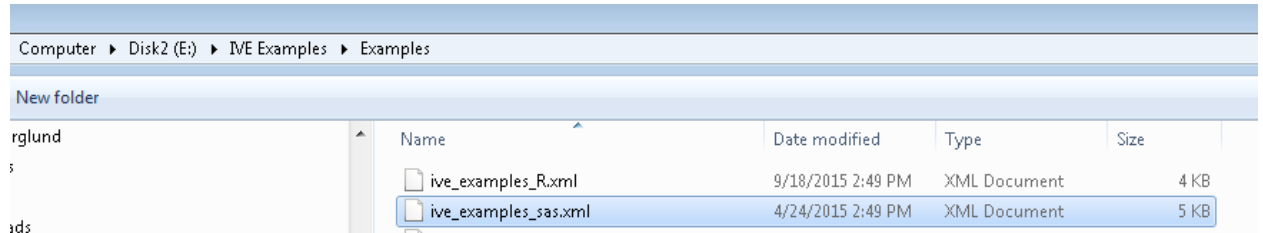
3. To verify that Srclib is installed correctly, download the [ive_examples_windows.zip](#) file, extract the Examples directory into an appropriate parent directory, for example, "Documents". You can put it wherever you want it.

I have placed the Examples zip file and extracted the "Examples" folder to the following: E:\IVE Examples\Examples:

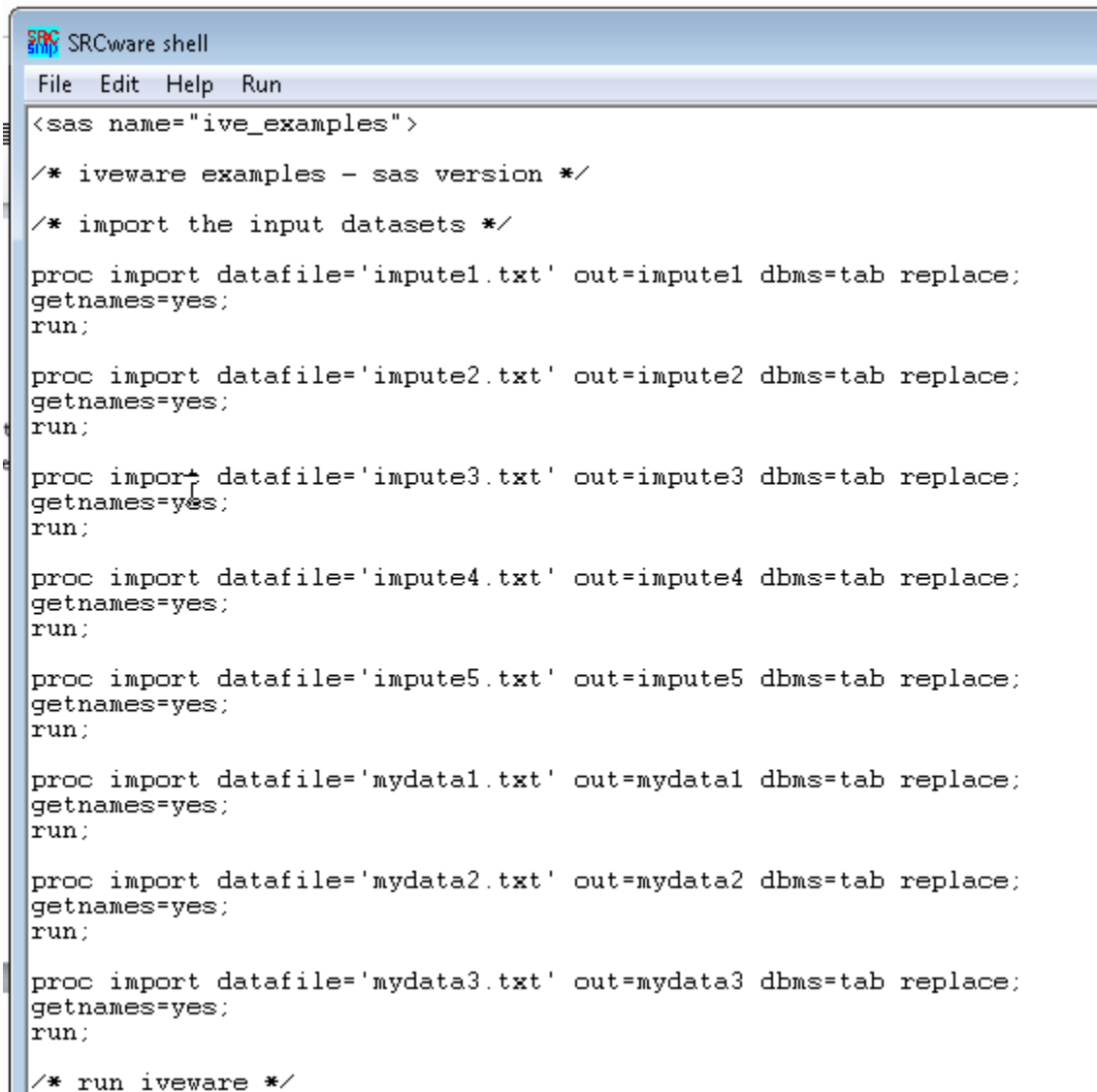


4. Double-click the Srclib desktop icon, click File and then Open, navigate to the Examples directory, open an appropriate setup file, for example, ive_examples_srcware.xml, and click Run.

Here, I open the “ive_examples_sas.xml” file from the SRC icon on Desktop and prepare to test the examples run in the XML editor with SAS:



This is what the SRC editor code looks like (partial code):



```
SRC SRCware shell
File Edit Help Run
<sas name="ive_examples">
/* iveware examples - sas version */
/* import the input datasets */

proc import datafile='impute1.txt' out=impute1 dbms=tab replace;
getnames=yes;
run;

proc import datafile='impute2.txt' out=impute2 dbms=tab replace;
getnames=yes;
run;

proc import datafile='impute3.txt' out=impute3 dbms=tab replace;
getnames=yes;
run;

proc import datafile='impute4.txt' out=impute4 dbms=tab replace;
getnames=yes;
run;

proc import datafile='impute5.txt' out=impute5 dbms=tab replace;
getnames=yes;
run;

proc import datafile='mydata1.txt' out=mydata1 dbms=tab replace;
getnames=yes;
run;

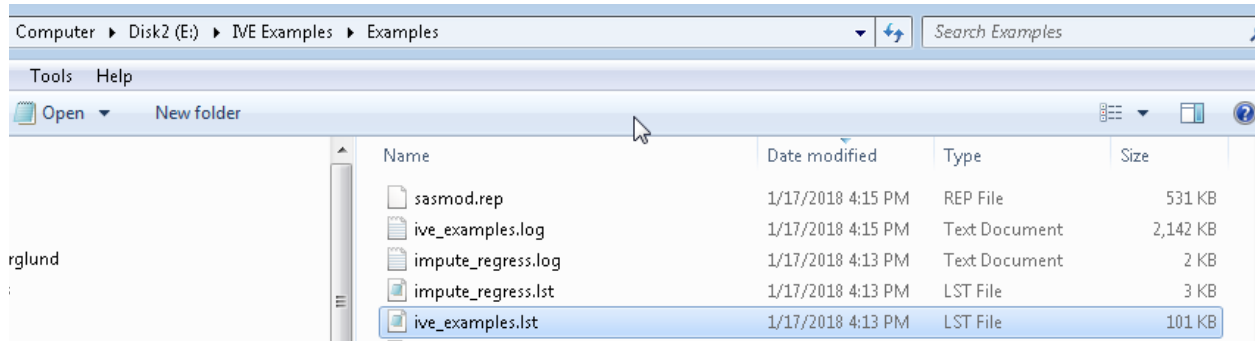
proc import datafile='mydata2.txt' out=mydata2 dbms=tab replace;
getnames=yes;
run;

proc import datafile='mydata3.txt' out=mydata3 dbms=tab replace;
getnames=yes;
run;

/* run iveware */
```

- Using MS Word or other software, check the *.log files produced by the run to see that there were no errors and compare the *.lst files produced by run with the corresponding *.chk files. They should differ only in the dates.

Here is a picture of the some of the files created by the Examples run in the XML editor with SAS. These are stored in the E:\IVE Examples\Examples folder and will include a number of files such as *.lst, *.log, *.rep and so on.



For example, here is the log file for the impute_regress process:

```
impute_regress.log - Notepad
File Edit Format View Help
IIVEware Statistical Procedures
Survey Research Center, Institute for Social Research
University of Michigan
Version 0.3, Copyright (c) 2018

Wed Jan 17 16:13:18 2018
  Begin setup checking
  Read setup
  Write setup
  End setup checking

Wed Jan 17 16:13:18 2018
  Begin Regress execution
  Read setup
Wed Jan 17 16:13:18 2018
  Read data
Wed Jan 17 16:13:18 2018
  Imputation 1
  Transform data
Wed Jan 17 16:13:18 2018
  Perform overall regressions
  Unweighted regression
Wed Jan 17 16:13:18 2018
  Imputation 2
  Transform data
Wed Jan 17 16:13:18 2018
  Perform overall regressions
  Unweighted regression
Wed Jan 17 16:13:18 2018
  Imputation 3
  Transform data
Wed Jan 17 16:13:18 2018
  Perform overall regressions
  Unweighted regression
Wed Jan 17 16:13:18 2018
  Imputation 4
  Transform data
Wed Jan 17 16:13:18 2018
  Perform overall regressions
  Unweighted regression
Wed Jan 17 16:13:18 2018
  Imputation 5
  Transform data
Wed Jan 17 16:13:18 2018
  Perform overall regressions
  Unweighted regression
Wed Jan 17 16:13:18 2018
  All imputations
  Output results
Wed Jan 17 16:13:18 2018
  End execution
```

Once the program finishes, you should see a number of output/log and other files related to the IVEware software. Please check to make sure everything ran correctly.