MATH 4044 – Statistics for Data Science

Testing your SAS installation

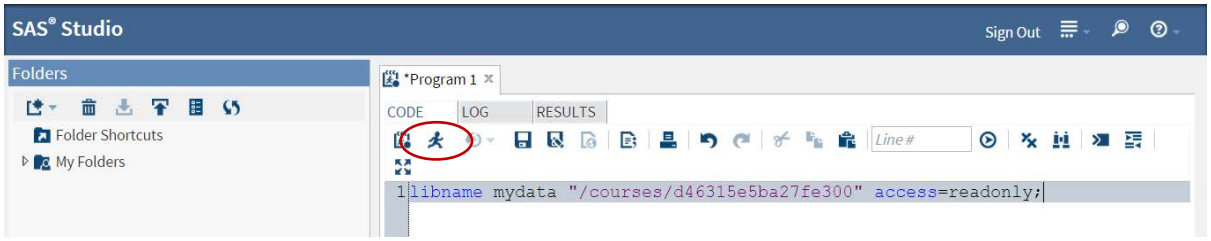
Accessing Data

With SAS OnDemand you can only work with files that are already stored on the SAS OnDemand server. You will not be able to upload files from and to your PC.

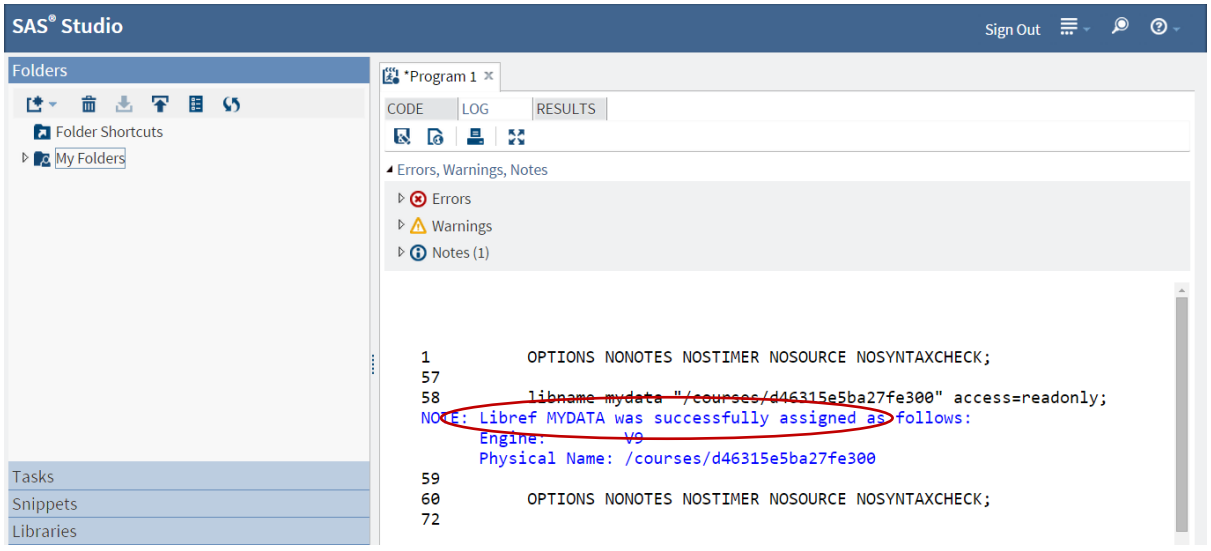
Data files specific to the course will be located in a SAS library called `mydata`. In order to access `mydata` library you must first run the `libname` statements shown below.

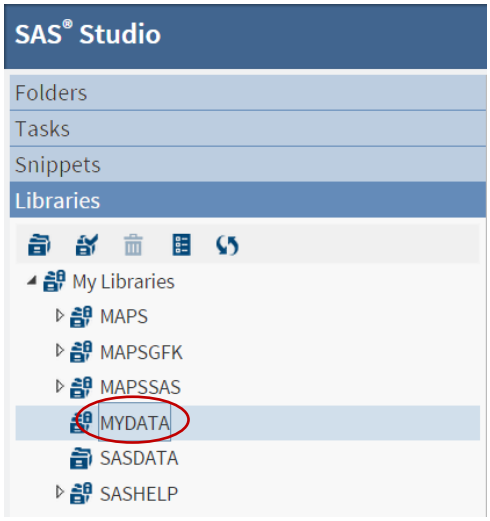
SAS Studio

Copy and paste the `libname` statement and hit *Run*.

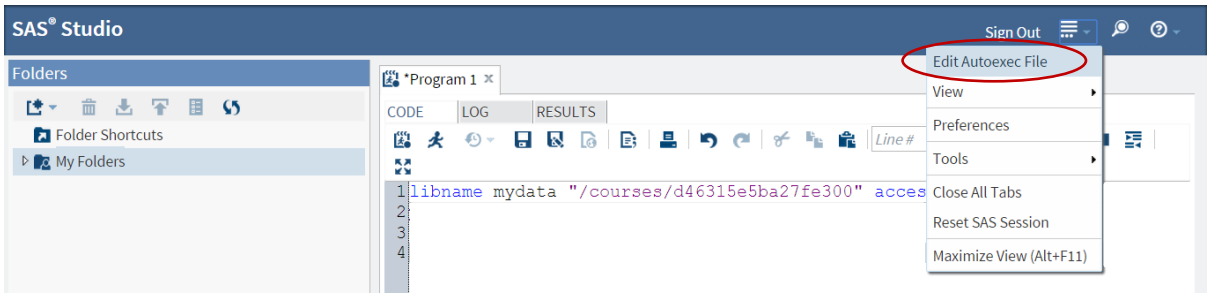


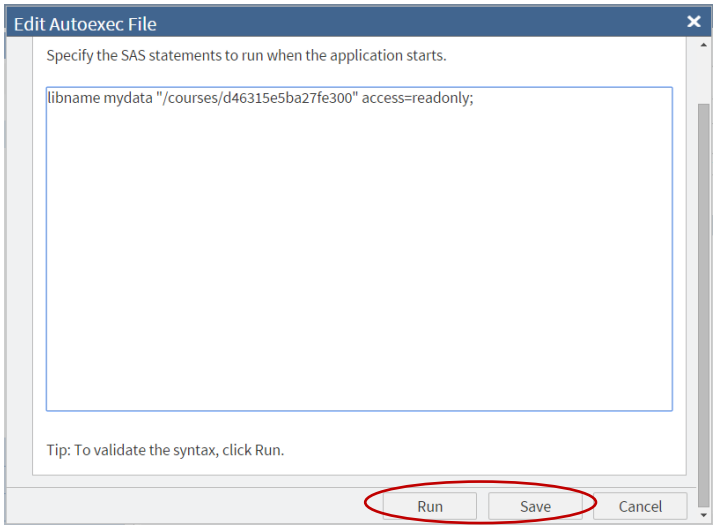
When the `libname` statement runs successfully (no errors are reported in red in the log window), `mydata` will appear in the list of available libraries. To see the list of libraries, click 'Libraries' at bottom left.





You can add the `libname` statement for the course data library to the Autoexec file, to execute it whenever SAS Studio starts:

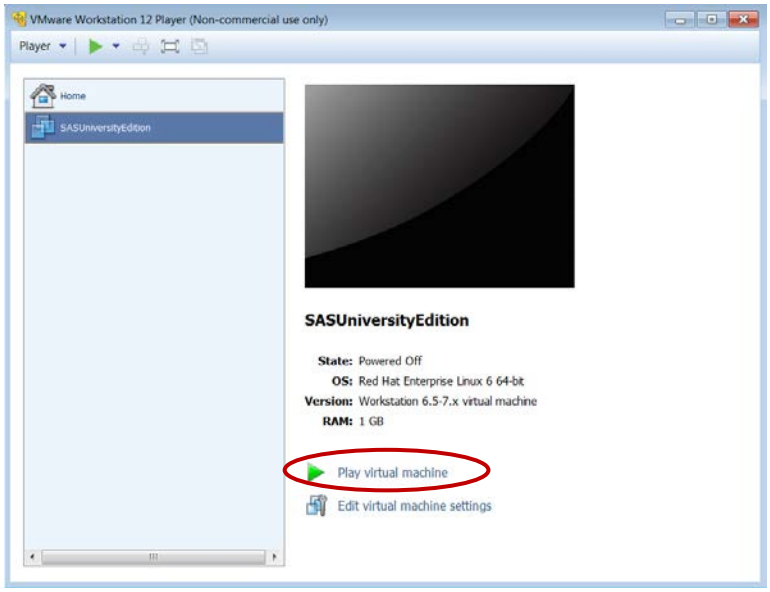


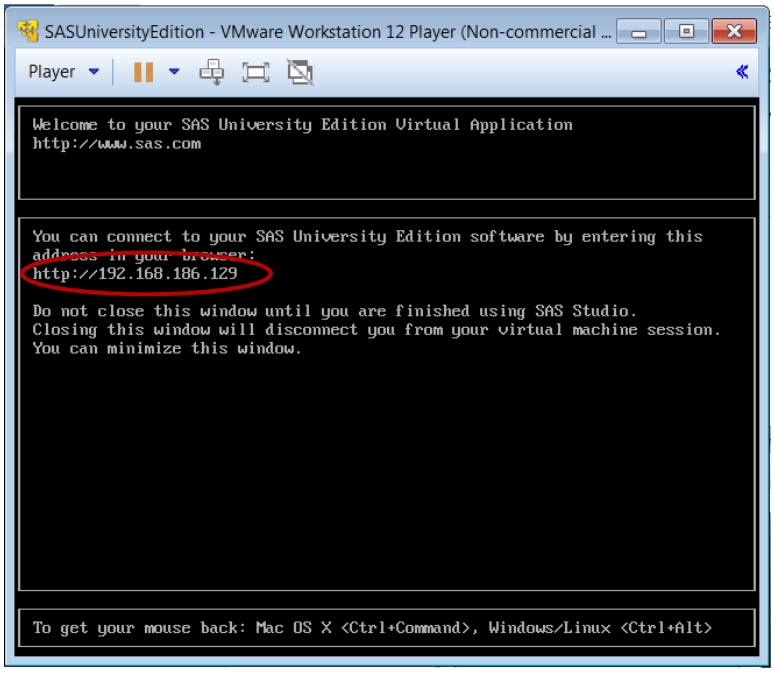


SAS University Edition

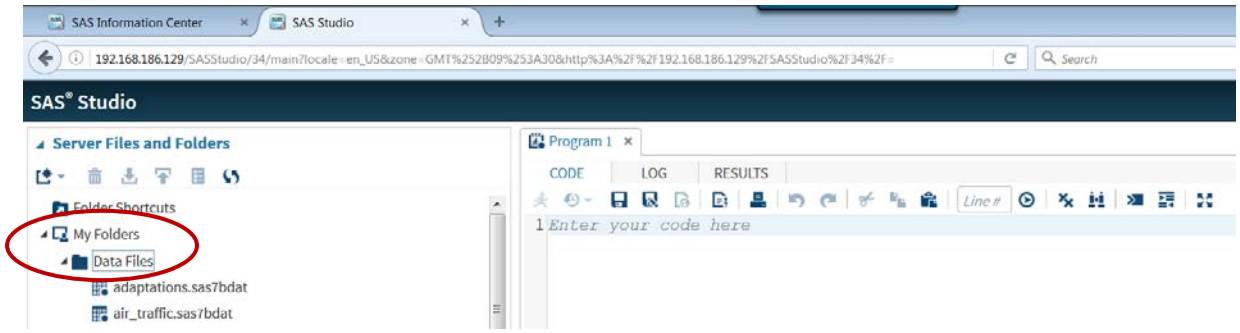
In SAS University Edition you will be working with files stored on your PC.

Launch SASUniversityEdition virtual machine and connect using a web browser:

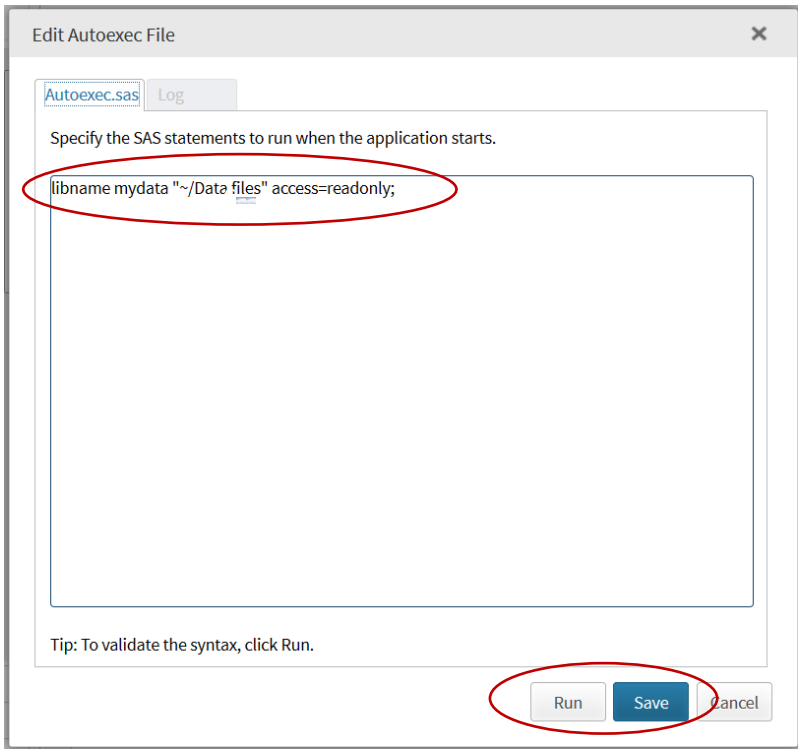




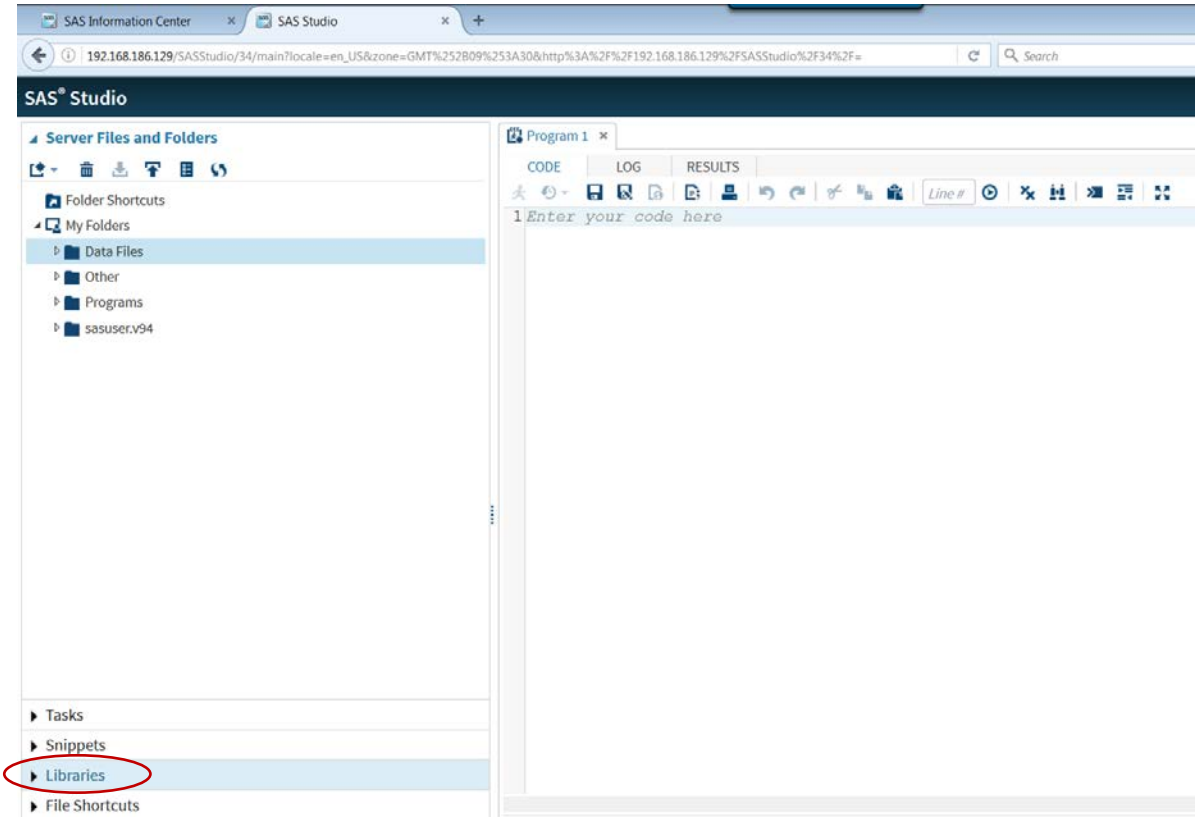
If you have set up a folder for data files (e.g. 'Data Files') in the SAS University Edition directory structure on your PC as outlined in the instructions available from the SAS page on the course website, you will see the following:



You can add a `libname` statement for the course data library to the Autoexec file, to execute it whenever SAS Studio starts. Note that here the libname statement needs to reflect your directory structure, as shown below:



To see the list of libraries, click the 'Libraries' tab at bottom left:


SAS Information Center
SAS Studio
SAS® Studio
Server Files and Folders
Folder Shortcuts
My Folders
Data Files
Other
Programs
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Tasks
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Libraries
File Shortcuts
Program 1
CODE
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RESULTS
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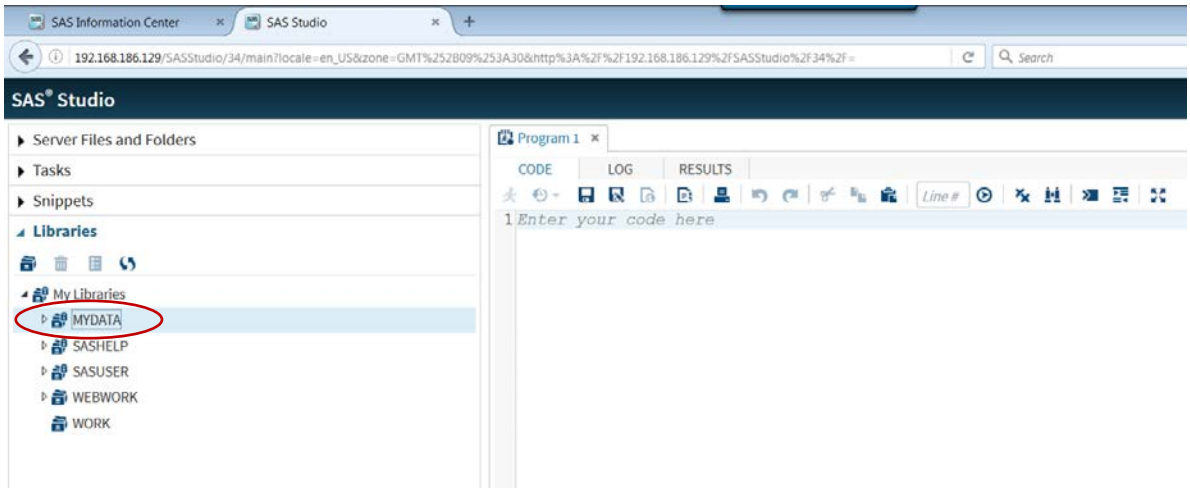

SAS Information Center
SAS Studio
SAS® Studio
Server Files and Folders
Tasks
Snippets
Libraries
My Libraries
MYDATA
SASHELP
SASUSER
WEBWORK
WORK
Program 1
CODE
LOG
RESULTS
1 Enter your code here

Test Exercise

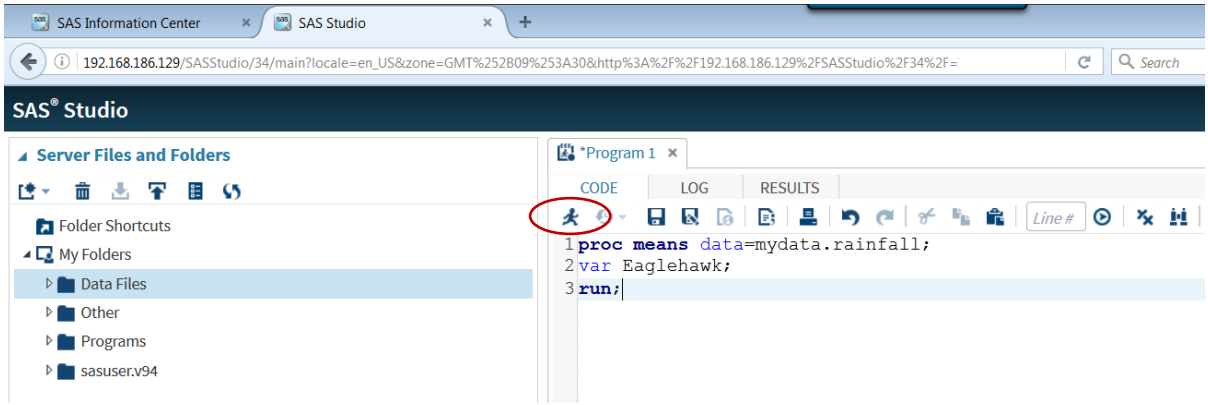
Data file for this exercise is based on one of examples in Week 1 topic notes and is called `rainfall.sas7bdat`, stored in `mydata` library on SAS On Demand server.

The data represents total weekly February rainfall (in mm) at two small Australian towns, Eaglehawk and Bloomsbury, collected over a period of four years. You are now going to use SAS to obtain a few basic statistical measures for total February rainfall in one of the towns, e.g. Eaglehawk.

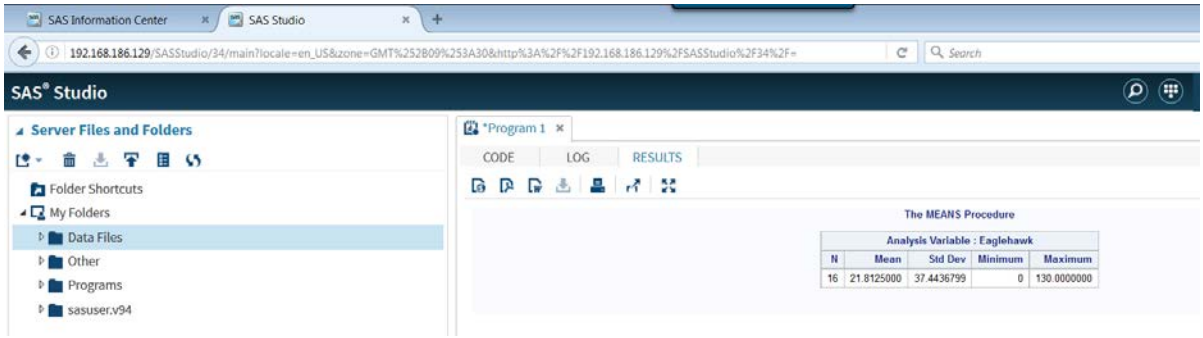
In the same program you used to run the the `libname` statement, add the following lines and then hit *Run*:

```
proc means data=mydata.rainfall;
var Eaglehawk;
run;
```

In SAS Studio:



You should get the following output:



All done! ☺