Opening SAS and SAS files

1) Open SAS by clicking on the **SAS 9.2 icon** on the desktop (upside-down pyramid with a ball orbiting it).

SAS will open with three windows:

a. The **Explorer Window** located on the left, which is used for navigating through SAS files.

b. The **Log Window** located on the top-right, which is used to show how SAS handled the code you provided. This window is useful for debugging programs and checking to see if all of the steps you wanted were actually executed.
c. The **Editor Window** located on the right-bottom, which is where SAS program code is entered.

2) Open a SAS program by clicking the link for `XXX.sas` => fast.

**Executing SAS code**

1) SAS code is executed by submitting sections of code consisting of SAS statements. To submit the top part of the code, use the mouse to highlight the section of text in the **Editor Window**, starting with the first line down to and including the first “RUN” statement. Then click on the icon that looks like a running person on the tool bar at the top of the screen. The **Log Window** should display the program statements that were executed and SAS notes that result from executing this code. It will be useful to check the **Log Window** for errors or other problems that may occur when SAS reads the code.
Note: we could have submitted the entire program if we didn’t highlight any of the code, but for the sake of this time we will be using highlighting to submit sections of code.

check the log window.
2) Now highlight the next section of code starting with “PROC PRINT;” down to and including the next RUN statement. Submit this as before.
Since this set of code instructs SAS to provide a displayed list of the data, the **Output Window** will open and display a listing of the data set from the PRINT statement.
To return to the program, use the tab at the bottom of the SAS window by clicking the Editor window.
Do more programming =>

```
DATA kids;
  INPUT name $ males females;
DATA LINES:
  Smith 1 1
  Jones 2 1
  Johnson 0 3
  Cooper 2 2;
RUN;
PROC PRINT;
RUN;
```

The output is a graph which appears in a separate window.
**Note:** all subsequent output will be tacked on to the end of the output already in existence. To get a clean **Output Window**, click on the Output Window, then click on the **Edit** menu at the top of the screen and click **Clear All** (or use the blank screen icon on the tool bar, typically on the left).

**Saving and Printing**

1) Saving: Suppose we want to save the printout of the data from the **Output Window** to a floppy disk.
   a. Click on the **Output Window**.
   b. Click on the **File** menu at the top of the screen and choose **Save As**.
   c. Click **Edit** menu and choose **select all**, then copy and paste to a document.

2) Printing: Suppose instead we wanted to print the output.
   a. Click on the **Output Window**.
   b. Click on the **File** menu and choose **Print**.
   c. Change the name of the printer to **your printer** and then click **OK**.
   d. A second box will pop up. Wait until you can push **Done** in this box.

**Want to say bye?** Just close the main SAS window.
<table>
<thead>
<tr>
<th>Name</th>
<th>Sex</th>
<th>Male</th>
<th>Female</th>
</tr>
</thead>
<tbody>
<tr>
<td>Smith</td>
<td></td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Jones</td>
<td></td>
<td>2</td>
<td>1</td>
</tr>
<tr>
<td>Johnson</td>
<td></td>
<td>3</td>
<td>2</td>
</tr>
<tr>
<td>Cooper</td>
<td></td>
<td>2</td>
<td>2</td>
</tr>
</tbody>
</table>