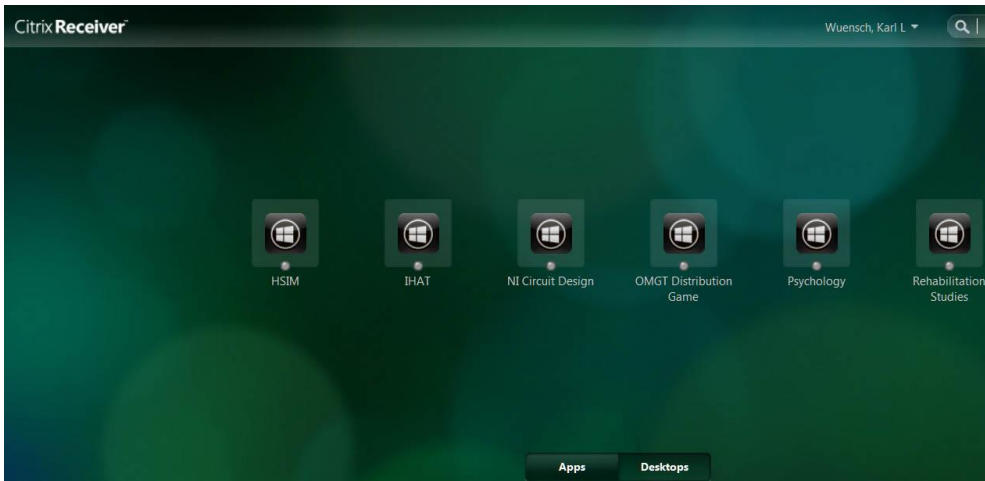
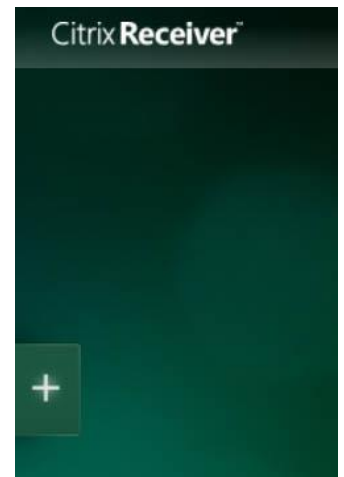


## Using the VCL to Run SAS 9.4

- Go to <http://vcl.ecu.edu>
- Read the VCL Instructions there. You might want to keep them open in a new window.
- Click on “Connect to VCL”
- Log in.



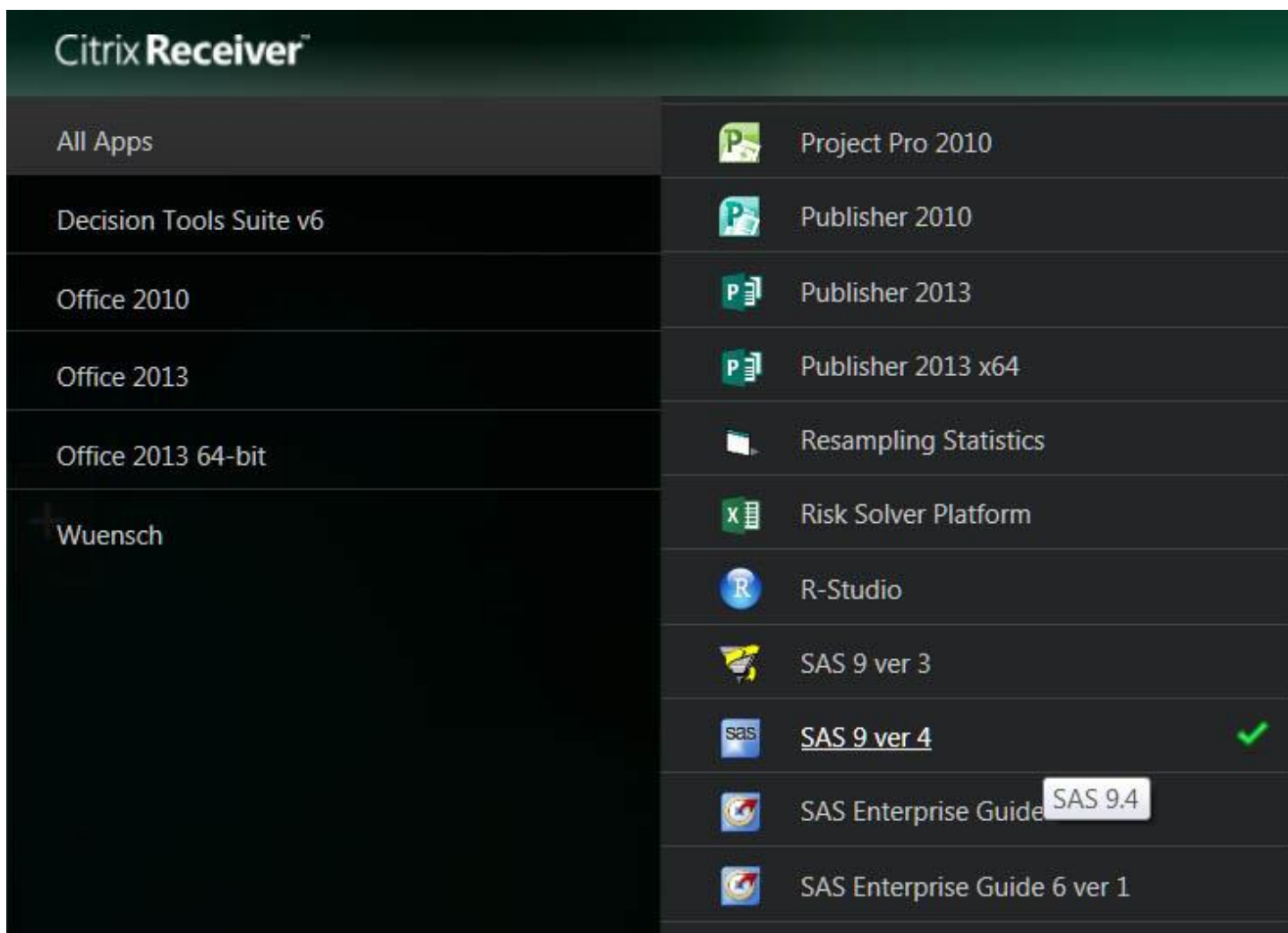
- Click on the Apps button at the bottom, center.



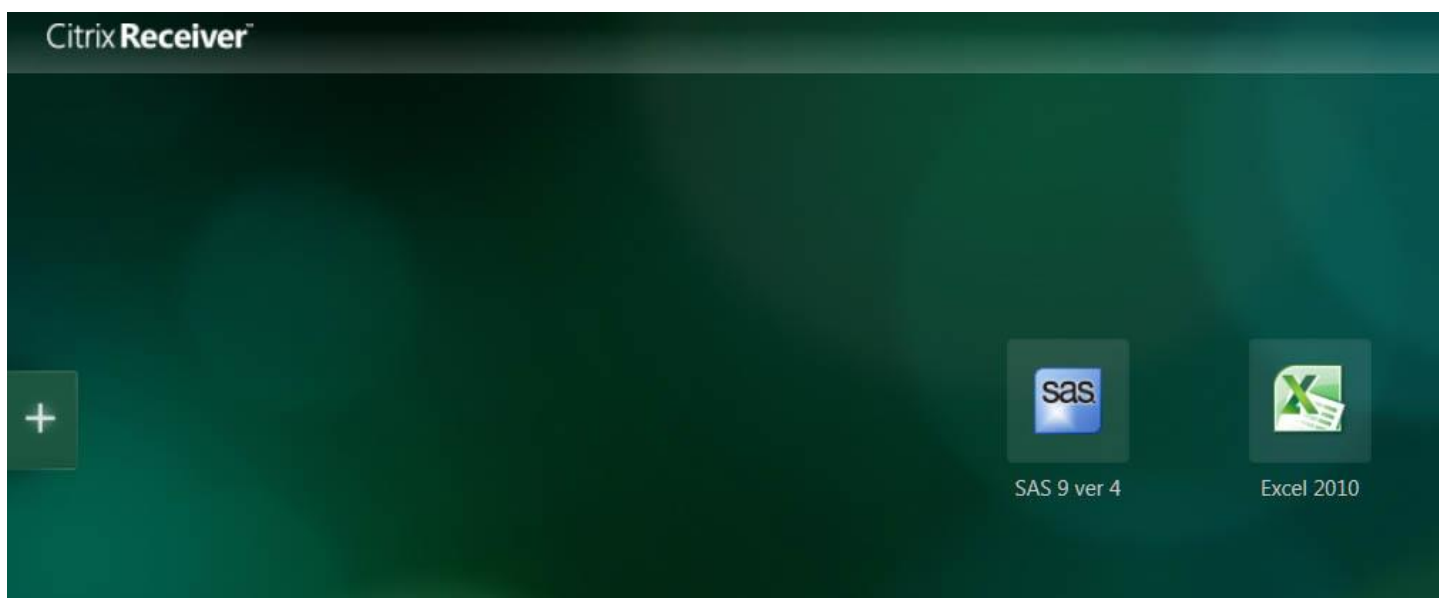
- Click on the + on the left side.



- Click on All Apps



- Select the App you want. Here I selected SAS 9 ver 4.

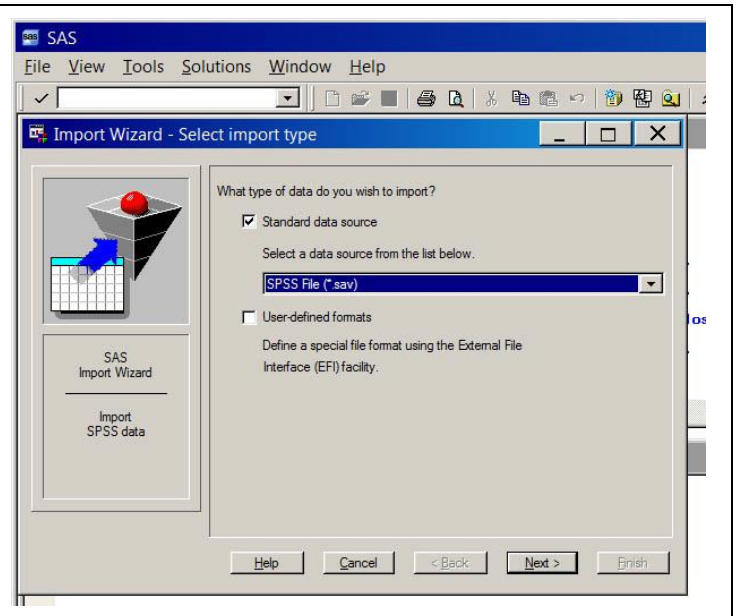


- The apps you have selected will be added to your VCL desktop.

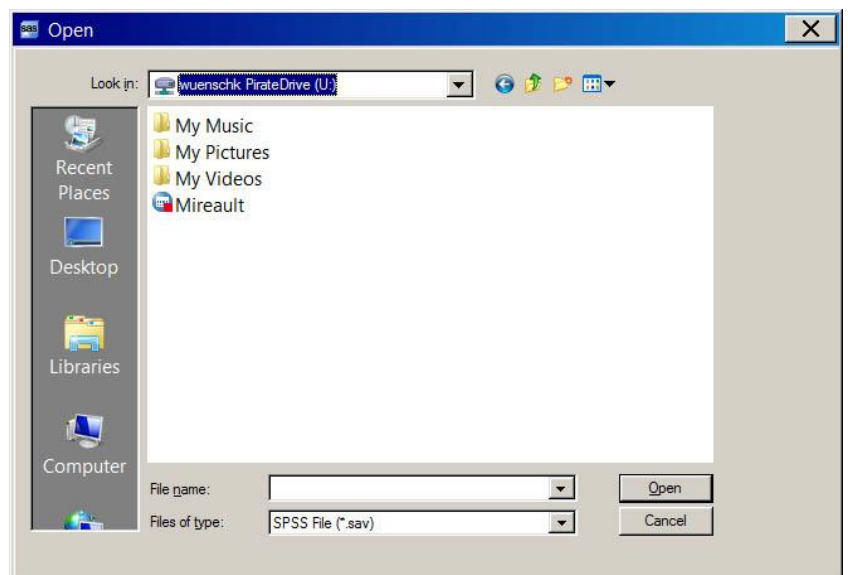
- Permit use.



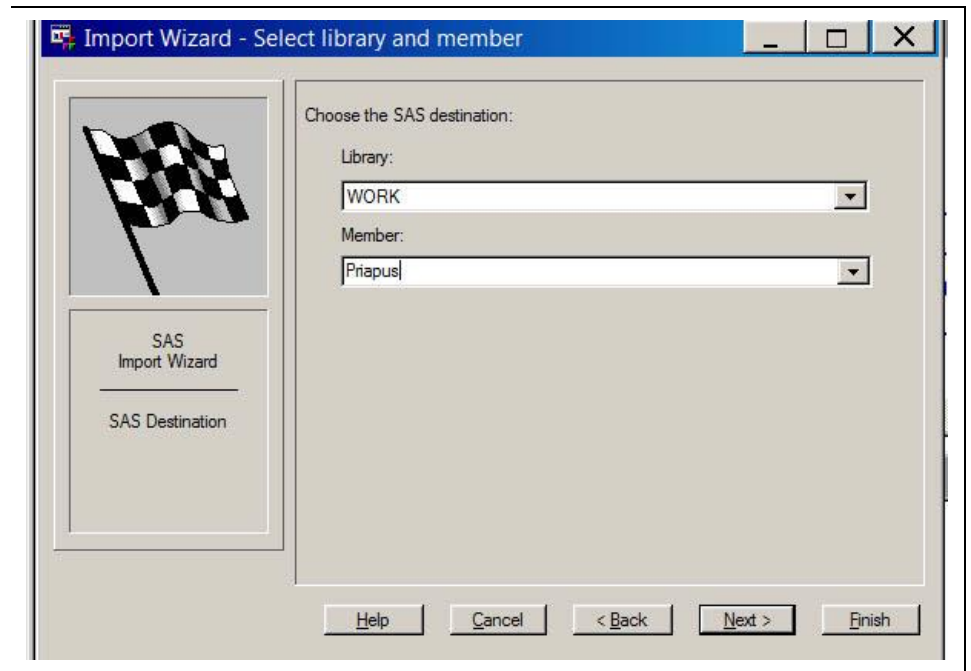
- Boot up SAS and click File, Import Data. Step through the Wizard. I'll show a few screens here. Here I am going to import an SPSS data file.



- Notice that I have selected to import a file (Mireault.sav) that is located on my Pirate Drive. You can connect to drives on your PC, but that is a bit awkward, especially if you are not familiar with the directory structure of Windows.



- Give your SAS member a name. You can then refer to that name, if necessary, in your program.



## Results

I used the Contents procedure to get a snapshot of the imported data set and then ran a *t* test.  
The CONTENTS Procedure

<b>Data Set Name</b>	WORK.PRIAPUS	<b>Observations</b>	348
<b>Member Type</b>	DATA	<b>Variables</b>	22

## Alphabetic List of Variables and Attributes

#	Variable	Type	Len	Format	Label
9	AgeAtLos	Num	8	F2.	AgeAtLos
14	AnxT	Num	8	F2.	AnxT
2	Bereaved	Num	8	BEREAVE.	Bereaved
6	College	Num	8	F1.	College
13	DepressT	Num	8	F2.	DepressT
7	GPA	Num	8	F1.	GPA
19	GSIT	Num	8	F2.	GSIT
4	Gender	Num	8	GENDER.	Gender
3	Group	Num	8	GROUP.	Group
15	HostT	Num	8	F2.	HostT
1	ID	Num	8	F3.	ID

<b>8</b>	LostPGen	Num	8	LOSTPGE.	LostPGen
<b>11</b>	ObsessT	Num	8	F2.	ObsessT
<b>21</b>	PVLoss	Num	8	F2.	PVLoss
<b>20</b>	PVTotal	Num	8	F3.	PVTotal
<b>17</b>	ParT	Num	8	F2.	ParT
<b>16</b>	PhobT	Num	8	F2.	PhobT
<b>18</b>	PsyT	Num	8	F2.	PsyT
<b>12</b>	SensitT	Num	8	F2.	SensitT
<b>10</b>	SomT	Num	8	F2.	SomT
<b>22</b>	SuppTotl	Num	8	F2.	SuppTotl
<b>5</b>	YearColl	Num	8	F1.	YearColl

# The TTEST Procedure

Variable: PVLoss (PVLoss)

<b>Bereaved</b>	<b>N</b>	<b>Mean</b>	<b>Std Dev</b>	<b>Std Err</b>	<b>Minimum</b>	<b>Maximum</b>
<b>Bereaved</b>	129	22.2791	6.6520	0.5857	8.0000	42.0000
<b>Not</b>	219	17.7717	5.6335	0.3807	6.0000	37.0000
<b>Diff (1-2)</b>		4.5074	6.0304	0.6693		

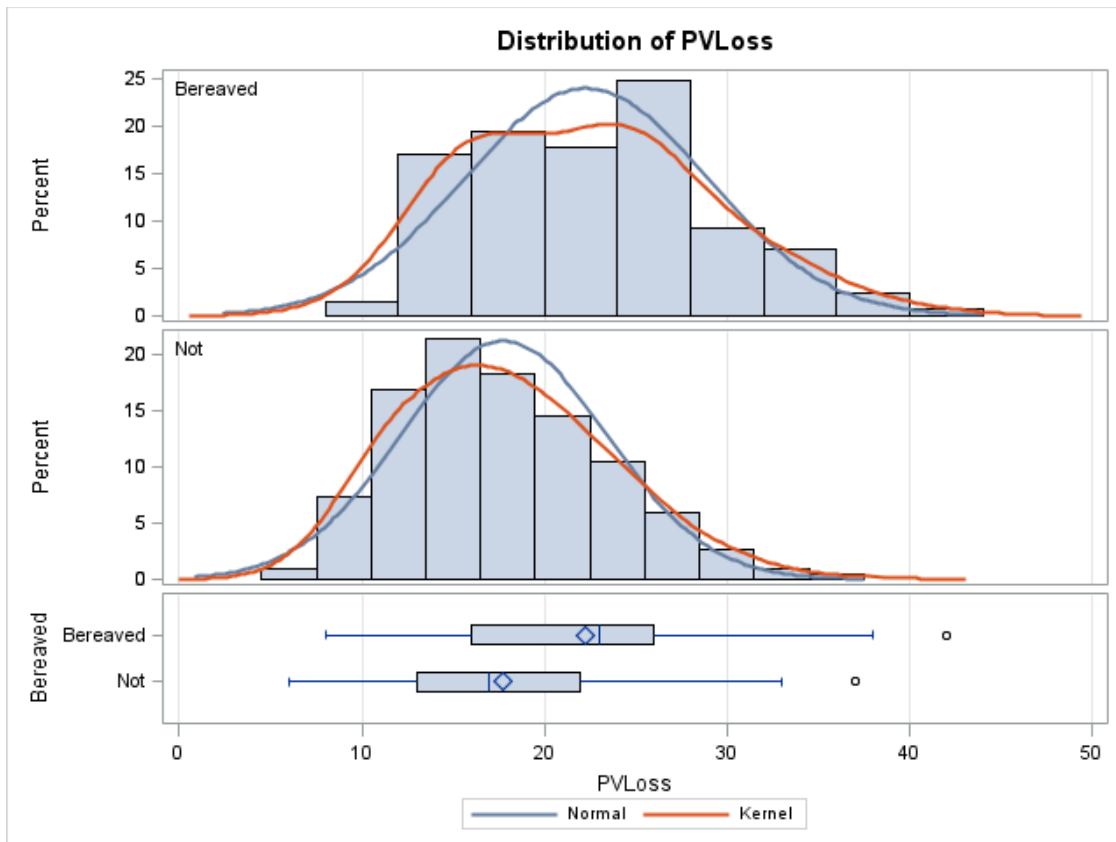
<b>Bereaved</b>	<b>Method</b>	<b>Mean</b>	<b>95% CL Mean</b>		<b>Std Dev</b>	<b>95% CL Std Dev</b>	
<b>Bereaved</b>		22.2791	21.1202	23.4379	6.6520	5.9274	7.5801
<b>Not</b>		17.7717	17.0214	18.5220	5.6335	5.1507	6.2170
<b>Diff (1-2)</b>	<b>Pooled</b>	4.5074	3.1910	5.8238	6.0304	5.6126	6.5159
<b>Diff (1-2)</b>	<b>Satterthwaite</b>	4.5074	3.1312	5.8836			

<b>Method</b>	<b>Variances</b>	<b>DF</b>	<b>t Value</b>	<b>Pr &gt;  t </b>
<b>Pooled</b>	Equal	346	6.73	<.0001
<b>Satterthwaite</b>	Unequal	234.43	6.45	<.0001

## Equality of Variances

Method	Num DF	Den DF	F Value	Pr > F
<b>Folded F</b>	128	218	1.39	0.0318

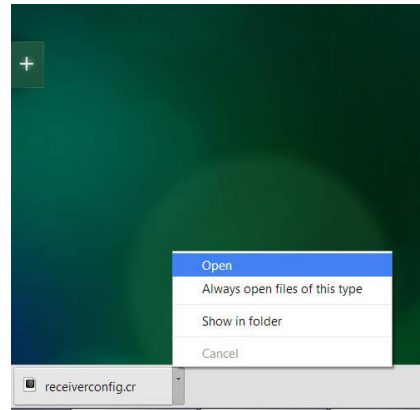
The results above were simply copied and pasted from the Results window to the Word document. I found that this does not work with graphics (it does when working on your own PC) I was, however, able to right click and save the graphic files to my PC and then insert them into the Word document.



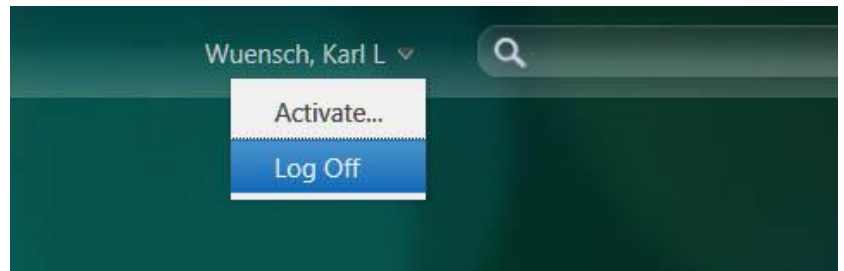
It is also possible to save the results in a Web Archive file (a single file with all text and graphics, can only be read by IE). I save these results that way, to the desktop on my PC. The resulting file was named "SAS Output\_htm#IDX2.mht." IE refused to open that archive until I removed the "\_htm#IDX2.mht" from the archive name.

The subjects here were high school students. Those in the bereaved group had lost a parent, those in the not group had not. PVLoss is a measurement of the students' vulnerability to loss.

I was able to access and use the VCL with IE, Firefox, and Chrome. With Chrome I had trouble at first, until I realized I needed to tell Chrome to show that it had downloaded “receiverconfig.cr” and then tell Chrome to open it. The next day I ran into the same problem again and needed to locate receiverconfig.cr and open it again. That is too much trouble for me. I love Chrome, but for working with the VCL, I’ll be using Microsoft IE.



Don't forget to log off.



[Karl L. Wuensch](#), 9-9-2014

Also See

- [How to Get Your Data Into SAS in the VCL](#) – focus on the sort of delimited, plain text files that I most frequently give my students as part of their assignments.