

Some computer notes for the Math computer lab Neckers 258 (or 278). Many of the Math 583 homework problems are in the class notes *Robust Statistics* at (<http://parker.ad.siu.edu/Olive/robbook.htm>). The computer on button is in the upper left corner while the monitor on button is in the lower right corner. You may need to press a computer keyboard key to get the login and password bars to appear.

computer lab login: If necessary, hit a key such as Ctrl, enter your dawg tag AD\siu8... and your password. Left click the lower left icon to see programs. If you are using a computer in the lab for the first time in several months, it takes about 5 minutes to set up your applications, and this will occur for each computer you use, so you may want to use the same computer when you can.

We often use the computers in the back 11–25. *R* is on computers 11–25 except for one computer. A label on the computer displays some of the programs, but the labels are old.

Click the lower left icon to see programs in the icons Window. You can click on the desktop icon to escape. If you click on something and can't get out of the information window, there is a Windows key that looks like 4 rectangles and is on the lower left of the keyboard near the Ctrl key. This Windows key can get you back to icons Windows.

The computer often has an *R* icon. Double click (press the left mouse button twice quickly) to open *R*.

R code for HW is at (<http://parker.ad.siu.edu/Olive/robRhw.txt>).

At the top of the file are two source commands. Copy and paste them into *R*. You may need to do this every time you get into *R*.

```
source("http://parker.ad.siu.edu/Olive/rpack.txt")
source("http://parker.ad.siu.edu/Olive/robdata.txt")
```

To activate *Word*, double click the box in the lower left corner of the computer screen and *typeword*. Then you can click on the *Word* icon. To copy and paste a plot from *R* into *Word*, click on the plot and hit *Ctrl* and *c* at the same time. Then go to *file* in the *Word* menu and select *paste* or hit *Ctrl* and *v* at the same time.

To exit *R*, enter the command *q()*. A window asking “*Save workspace image?*” will appear. Click on *No* to remove the functions from the computer (clicking on *Yes* saves the functions in *R*, but the functions and data are easily obtained with the source commands).

To exit the computer, right click the lower left icon to sign out.

R is available from the **CRAN** website (<https://cran.r-project.org/>).

The URL (<http://parker.ad.siu.edu/Olive/robch11.pdf>) has more information on *R* as well as some answers to some HW problems in *Robust Statistics*. Scroll through the file to see what it has. My office is right by the computer lab, come get me for help. **A flash drive is useful.**