

Stat 404-01/10 Lab3

All files and data will be published on the shared (S:) drive (you need to have mapped the uidaho drives to your computer). The address is:

When using SAS: S:\Courses\stat-renaes\Stat404\SAS datafiles\
When using R: S:/Courses/stat-renaes/Stat404/

Something to remember is that I will have example code for you to use to help you write your programs in labs.

Lab collection:

When I decide to collect a lab, I will let you know at the beginning of the lab and it will be due within 1-2 class periods of the lab.

What to copy and paste into the document for submission:

All code from both programs and the log window from SAS (please clean it up a bit and get rid of errors if there are any). Do not paste the results from either program unless I specify in the exercises.

Submission:

Is through BbLearn. Go to the Labs link, click on the lab and follow instructions to attach the file. The file MUST be in PDF format. No other formats will be allowed for submission. The easiest way I find to create a PDF is to do all the work in Word or Pages then "save as" PDF format.

One recommendation I have is to create a few folders on your computer for this class. I would create R, SAS, Data, Labs. That way you can save all the files and data you need for labs and it will make things easier for later labs.

1. In S:/Courses/stat-renaes/Stat404, there is a file called airquality.csv (it was used for the 1st lab). Open the file (it should open with Excel or the default spreadsheet program you have). Copy the first column, Ozone, but do not copy the variable name. Use `scan()` with your copied data. Use assignment operation to name it air. (example: `air=scan()`)
2. Make sure the `scan()` worked by typing in the name air to see the data in the console.
3. Using the address from #1, use `read.table()` to read in the dataset. Name it air2.
4. Use the following code to look at the first 6 observations:
`head(air2)`
5. Use `attach()` on the dataset air2

6. Use the following code to find the mean ozone by month:
`tapply(Ozone,Month,mean,na.rm=T)`. This can be named (then you'll have to call it) or not.