Why SAS?

- Many prospective employers require familiarity with SAS when looking for people with statistics skills.
- Many/most of the large companies use SAS (*Boeing* included).
- Companies like to have companies standing behind a product they use. It gives them some kind of leverage, they think.
- However, that does not always work as well as hoped.
- SAS gives a perspective on statistical software that is quite different from R, as you will notice.
- Similar to other packages, like SPSS, BMDP, etc.
- There are SAS proficiency exams on the web, I just give one link http://www.scribd.com/doc/24486416/SAS-Proficiency-Test-by-Judy-Loren
- They cost, see: http://support.sas.com/certify/brochure.pdf
Background on SAS

- SAS started in the 1960/70’s at North Carolina State Univ.
- It began as a project to analyze agricultural data funded via USDA grants.
- The company SAS was founded in 1976, as software need grew to projects from government, academia, banking, pharmaceuticals, etc.
- SAS is a company, a statistical package, a general purpose programming language.
- You can access, manage, analyze data and present results.
- It runs on different computer platforms, with similar interfaces.
- It is organized into a number of modules, called products.
SAS Products

- Base SAS - data management and basic procedures
- SAS/STAT - Statistical analysis
- SAS/GRAPH - Presentation quality graphics
- SAS/OR - Operations Research
- SAS/ETS - Econometrics and Time Series Analysis
- SAS/IML - Interactive Matrix Language
- SAS/AF - Applications Facility (menus and interfaces)
- And many other specialized products
http://help.unc.edu/4207
http://www.ats.ucla.edu/stat/sas/default.htm
http://www.ats.ucla.edu/stat/sas/modules/default.htm
Accessing SAS

- You can purchase student versions or through UW for discount prices ($ 214.80 July 1 through June 30).
- For this class we access SAS through the Department of Statistics terminal servers.
- See pages 3-4 of InstallInstructions.pdf
- Windows ⇒ All Programs ⇒ Accessories ⇒ Remote Desktop Connection
  In Computer field type ts.stat.washington.edu. User ID: NETID\yourUWUsername ⇒ UW password.
- Mac OS X ⇒ Spotlight ⇒ Microsoft Remote Desktop client, enter ts.stat.washington.edu, click connect, user name without NETID, in Domain put NETID, enter password, OK, connect.