Stat 302
Statistical Software and Its Applications
Introduction to SAS

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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
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
Resources

- http://help.unc.edu/4207
- http://www.ats.ucla.edu/stat/sas/default.htm
- http://www.ats.ucla.edu/stat/sas/modules/default.htm
You can purchase student versions or through UW for discount prices ($ 163.59 annual fee).
http://www.washington.edu/itconnect/wares/uware/sas/

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.