

Lecture 1

SAS Basics

3 basic SAS files:

- 1) Program file - contains program statements that perform statistical and data manipulation tasks
- 2) Log file - contains diagnostic statements that helps one determine if a SAS program has any fatal programming errors.
- 3) Output file - contains results produced by the commands in the program file

2 Basic steps in a SAS program:

- 1) Data step - the part of the SAS program that reads in variables into named data files and provides labels for the variables. Data can be transformed by assignment statements, eg. $z = \log(x)$, two separate data sets can be merged, etc.

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2) Procedure (PROC) step - the part of the SAS program that executes various procedures like PROC MEANS, PROC CORR, PROC REG, PROC SORT, etc.

SAS INSIGHT Demonstration

Go to

Solutions

Analysis

Interactive Data Analysis

Work subdirectory

click on the data file you want to analyze

Analyze

scatter plot (Y, X)

Then do your thing!

For an example SAS program go to

hprice.sas

on the website for the course and run the program.