

## Session 1: Outline

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### Housekeeping

- times, places (see memo)
- format, style and emphasis
- text (Glantz ... bring to class)
- notes (linked directly to chapters)
- homework (each session)
  - how much work? 2:1 outside-class to in-class ratio
- project (teams)
- statistical software (sas, sas insight, or other)
  - if other, "match" outputs with those in text examples
- distribution of material: web page

### Multivar"iable" or Multivar"iate" Analysis ??

- Multivar"iable" = 1 "Y", 2 or more X's
- Multivar"iate" = 2 or more Y's simultaneously

this is the *formal* meaning, and the meaning in mathematical statistics and in some social sciences, such as psychology

in the biomed. literature: Multivar"iate" = 1 Y, 2 or more X's !!

- Uses of Multivariate Analysis (Medline)

### G&S Chapter 2: Simple Linear Regression

- see my notes on G&S Chapter 2
- see my notes on M&M Chapters 2/9
  
- Meaning of Simple
- Meaning of Linear
- Meaning of Regression (not that of Galton)
  
- Examples
  - Birthweights at different Altitudes
  - Birthweight by Gestational Age, Canada 1972/86
  - Busselton Norms
  - Why do Old Men have Big Ears?
  
- Detailed walk through G&S Chapter 2

### Using SAS INSIGHT

- opening INSIGHT
- bringing in data
- analyzing data, saving output etc...