SAS Enterprise Guide

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- A point-and-click graphical interface to SAS
- Provides easy access to data sources
- Makes reporting & analytics more available by providing ready-to-use *tasks*
- Helps organize work in projects that include
 - SAS programs
 - References to data
 - Results in various formats
 - Logs
 - Relationships among the items above



Accessing SAS EG

- Virtual Desktop
 - http://helpdesk.its.uiowa.edu/software/
 - Click on "Software Available Online through Virtual Desktop"
 - Select SAS, then SAS Enterprise Guide
- SAS installed on your PC
 - Use Start menu
 - Select SAS, then SAS Enterprise Guide





- Open EG
- Start new project
- Under Server List, go to
 Servers→Local→Libraries→SASHELP
- Open HEART dataset
- To explore file properties
 - Right-click on file in project tree







Saving Data in Excel Format

- Click on the "export" tab
- Choose file type "Excel"
- Name file as HEARTHIGHRISK
- Save









Choose other output formats

Tools → Options

- Results: Select HTML and RTF
- Click on "Refresh" tab
- Click on "Results-RTF" tab
- Export the output to H:\your project \SAS\OUT



Plotting Data I

- Double-click on HEARTALIVE data
- Click on "Graph" tab \rightarrow Line Plot
 - Data: Choose **BP_status** for horizontal and **Weight** for vertical variable
 - -Titles: Specify
- Click on "Run"
- Examine output



Correlation

- Double-click on HEARTALIVE data
- Click on "Analyze" tab → Multivariate → Correlations
 - Data: Choose **Diastolic** and **Systolic** for analysis variables and **Weight** for correlate with variable
 - Results: Select "create a scatter plot for each correlation pair"
- Click on "Run"
- Use "Modify Task" to group analysis by Sex



t-test

- Double-click on HEARTALIVE data
- Click on "Analyze" tab \rightarrow ANOVA \rightarrow t Test
 - t Test type: two sample
 - Data: Choose Sex for classification variable and
 Weight for analysis variable
 - Plots: select summary plot
- Click on "Run"









- Double-click on HEARTALIVE data
- Click on "Analyze" tab → ANOVA → Linear Models
 - Data: Choose Cholesterol for dependent, Weight,
 Diastolic, and Systolic for quantitative variables
 - Model: Specify model
- Click on "Run"



SAS Enterprise Guide Tutorial

- Getting Started with SAS Enterprise Guide
- <u>http://support.sas.com/documentation/online</u> <u>doc/guide/tut51/en/</u>
- <u>http://support.sas.com/eguide</u>