| Lecture Number | Lecture Date | Topics Discussed |
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| 0 | 8/21 | [1] Demonstrated the basic user interface for SAS SDM/SS/SUE |
| 1 | 8/22 | [2] Demonstrated good organization practices for folder structure and provided a template program for each interface (SDM/SS/SUE) |
| 2 | 8/29 | [1] Efficiently producing ODS output by using a MACRO variable to define paths once at the top of a program.  [2] Using the global OPTIONS statement.  [3] Using PROC SORT to remove duplicate observations |
| 4 | 9/5 | [1] Using SAS-supplied.  [2] The FORMAT statement.  [3] Create formats with PROC FORMAT. |
| 5 | 9/10 | [1] Converting ODS objects into SAS datasets with the ODS OUTPUT statement.  [2] Creating datasets of results with PROC FREQ using the OUT= option on the TABLE statement.  [3] Creating datasets of results from PROC MEANS/UNIVARIATE using the OUTPUT statement. |
| 6 | 9/19 | [1] Subsetting observations: The WHERE statement versus the subsetting IF statement.  [2] Using conditional logic to create variables: IF/THE/ELSE |
| 7 | 9/24 | [1] The PUT function & Formats  [2] The INPUT function & Informats |
| 8 | 9/26 | [1] Using DROP= and KEEP= data set options  [2] Using the OUTPUT statement to control when observations are written to newly created data sets. |
| 9 | 10/1 | [1] Using IN= data set options to subset data in a merge  [2] Transposing data from LONG to WIDE format  [3] Using SAS ARRAYs and the RETAIN statement  [4] Using FIRST.VARIABLE and LAST.VARIABLE.  [5] PROC TRANSPOSE |
| 10 | 10/3 | Conceptual Review of RETAIN and FIRST.VARIABLE/LAST.VARIABLE |
| 11 | 10/8 | Midterm Review Practice   * Calculating Change from Baseline * Computing time-to-event |
| 12 | 10/15 | [1] Read from text files and excel files |
| 13 | 10/17 | [1] Writing text files and excel files |
| 14 | 10/22 | [1] Default ODS Graphics generated by PROC steps |
| 15 | 10/24 | [1] Using style templates to customize graphs  [2] The STYLEATTRS statement  [3] Attribute maps (FYI) |
| 16 | 10/29 | [1] The SGPANEL Procedure |
| 17 | 10/31 | [2] The SGSCATTER Procedure (On Sakai) |
| 18 | 11/05 – 11/24 | [1] Introduction to SAS Macro Language as a facility for code generation and text substitution  [2] Creating Macro variables with %LET  [3] Defining a SAS Macro with no parameters, with positional parameters, and with non-positional parameters  [4] Using %INCLUDE to read in SAS programs stored in separate locations (i.e., SAS macro definitions)  [5] Creating macro variables with CALL SYMPUT  [6] Writing a simple macro to summarize all variables in a dataset |
| 19 | 11/26 | [1] Introduction to SQL  [2] Basic Inner Joins |
| 20 | 11/28 | [1] Inner and Outer SQL Joins  [2] Creating Macro Variables in PROC SQL |
| 21 | 11/30 | [1] Introduction to ODS Layout |