

SAS/FSP

A. Introduction

- ❖ Collection of interactive procedures for browsing and editing data
- ❖ data entry
- ❖ creation of new files
- ❖ creation of forms
- ❖ creation of form letters
- ❖ end user applications

B. FSBROWSE/FSEDIT

- ❖ easy method to edit, add, change records
- ❖ information displayed 1 record at a time
- ❖ observation number displayed in upper left corner
- ❖ a record can span across more than 1 screen
- ❖ fields are identified by variable names by default
- ❖ character variables are left aligned by default
- ❖ numeric variables are right aligned by default
- ❖ variables use assigned formats when displayed
- ❖ use PgUp/PgDn to move from 1 record to another

- ❖ to go to a specific observation
 - ❖ type the observation number on the command line
 - ❖ or select 'view'---> 'go to observation number'

- ❖ to search for a value for a particular variable
 - ❖ first select the variable to search on
 - ❖ type NAME *variable* on the command line
 - ❖ or select 'search'---> 'name'
 - ❖ then select value to search for
 - ❖ type LOCATE *value*(or L *value*) on the command line
 - ❖ or select 'search'---> 'locate'

 - ❖ searches are performed from the current record to the end

- ❖ to repeat a search type RFIND on the command line or select 'search'---> 'repeat find'

- ❖ to find a record that meets a specific criteria
 - ❖ type FIND *variable=value* on the command line
 - ❖ or select 'search'---> 'find'

- ❖ to search for embedded text strings
 - ❖ first select the variable to search on
 - ❖ type STRING *variable* on the command line
 - ❖ or select 'search'---> 'string'

 - ❖ then select string to search for
 - ❖ type SEARCH *string*
 - ❖ or select 'search'--->'search'

- ❖ searches are case sensitive

C. Editing

- ❖ PROC FSEDIT is used to edit (FSBROWSE is read only)

- ❖ to invoke submit the following program:

```
PROC FSEDIT DATA=LIBREF.DATA SCREEN=LIBREF.CATALOG ;
RUN;
```

- ❖ find record to be edited
- ❖ move cursor to the field to be modified
- ❖ type over the old value
- ❖ if an error is made while editing issue CANCEL command on the command line or select 'file'---> 'cancel'. This will cancel changes made to the current observation.
- ❖ to add an observation
 - ❖ type ADD on the command line
 - ❖ or select 'edit'---> 'add new record'
 - ❖ then type over underscores
- ❖ to delete a record
 - ❖ type DELETE on the command line
 - ❖ or select 'edit'--->'delete record'
- ❖ to exit
 - ❖ type END on the command line
 - ❖ or select 'file'---> 'end'

D. Creating a New SAS Data Set

- ❖ submit the following program:

```
PROC FSEDIT NEW=LIBREF.DATA
      SCREEN=LIBREF.CATALOG ;
RUN;
```

- ❖ the variable definition screen is displayed
 - ❖ type variable name in the NAME field
 - ❖ in the TYPE field type 'C' or '\$' if the variable type is character(numeric is the default)
 - ❖ for character variables and numeric variables with a length less than 8, fill in the LENGTH field
 - ❖ the LABEL field is optional
 - ❖ fill in the FORMAT/INFORMAT fields if needed
 - ❖ select 'locals'---> 'format/informat' to toggle between format and informat
 - ❖ when all variables are defined select 'view'---> 'end'

- ❖ the default display is shown
- ❖ select 'locals'---> 'modify display' to edit the default display
- ❖ select 'screen modification and field identification'
 - ❖ edit display as desired
 - ❖ you can use all edit commands that are available in the program window
 - ❖ when editing is complete select 'file'---> 'end' . You will then be prompted to identify fields that have been moved.
 - ❖ When all fields are identified select 'view'---> 'end' .
- ❖ select 'assign special attributes to fields' to add features to data entry
- ❖ select 'modification of general parameters' to change autosave value
- ❖ select 'edit program statements and compile' to get into screen control language mode(SCL)
- ❖ type in the following program

```

init:
  ratio=. ;
  return;
main:
  ratio= ht/wt ;
  if not(sex='M' or sex='F') then _msg_ ='INVALID VALUE' ;
  return;
term:
  return;

```

- ❖ select 'file'---> 'end'
- ❖ select 'go back'
- ❖ you are now ready to enter some data

DEMOGRAPHIC INFORMATION FORM

Subject ID: _____

Today's Date: _____
mm/dd/yy

1. Enter First and Last Name: _____

2. Sex (M/F): _

3. Enter Age in Years: __

4. Enter Height in Inches: __

5. Enter Weight in Pounds: ____

6. HT/WT Ratio(calculated: do not enter): _____