SAS PROGRAMMING FOR BEGINNERS  
CREATE SIMPLE TABLE

/\* data allows you to create and manipulate data

data \*table\_name

input \*variable\_1, \*variable\_2, \*variable\_n

cards; \*\*cards allows you to list data in a space separated format

proc means data = stu\_math;

\*\*the procedure 'means' is used on the data source 'stu\_math';

\*\* the procedure of 'means' is used on the variable 'math\_score' from the table 'stu\_math'

\*/

/\*\*\*\*\*\*\*\*\*

\* NOTES

\*\*\*\*\*\*\*\*\*/

/\*\*\*\*\*\*\*\*\*\*\*\*\*

\* DATA STEP

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/\*

The Data Step allows you to read or write the data. Manipulate Data and perform calculations.

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/\*

- Data and Proc steps are made up of statements and end with a RUN statement.

- All SAS statements end with a semi-colon.

\*/

**data** stu\_math; /\* <----- This is a DATA STEP syntax for creating a DATASET called 'stu\_math' \*/

input stu\_name $ math\_score; /\* <----- This dataset has 2 VARIABLES.

- stu\_name is a CHARACTER VARIABLE. The $ sign after the variable name indicates

that it is a character variable.

- math\_score is a NUMERIC VARIABLE. \*/

cards;

Speedy 90

Tim 91

Sharon 100

Mike 60

Michael 75

;

**run;**

/\*\*\*\*\*\*\*\*\*\*\*\*\*

\* PROC STEP

\*\*\*\*\*\*\*\*\*\*\*\*\*/

/\*

The Proc Step allows you to produce reports, summarize and analyze data, generate graphs and much more.

\*/

**proc means** data = stu\_math; /\*<----- Procedure using the method MEANS to get the average of a set of numbers.

The Data being used is the DATASET stu\_math.

The variable (column) we are trying to get the MEAN of is the

math\_score column \*/

var math\_score;

**run;**