Math 338 Name Nhi Vu

Kafai – HW 7

Create a data set called hw7.txt with the data below.

M100101 Armann

10 10 10 10 8 9

13 15 10

M100102 Ellery

8 10 7 6 10 1

7 12 15

M100103 Anna

7 5 10 4 10 10

12 9 11

M100104 Tomo

9 8 10 5 10 5

10 14 12

M100301 Glenn

9 6 11 13

2 4 6 5 9 10 10

M100302 Duc

14 12 10 12

9 10 10 8 10 10 10

M100303 Woo

14 15 12 9

8 7 9 10 5 9 10

M100304 Olson

10 10 12 11

5 10 7 9 8 10 10

M100305 Ma

12 15 14 10

10 10 10 10 9 10 9

M100306 Garcia

14 13 15 11

9 10 8 10 10 6 10

The first line (and every three lines after that) has a variable which start with M and has length 7. This is the ID for each student. The first 4 characters are for the course name. The next character is course section. The last two characters are unique for each student.

If the student is in section 1 then the next line of the data is quiz grades (out of 10) and the next line is homework grades (out of 15).

If the student is in section 3 then the next line of the data is homework grades (out of 15) and the next line is quiz grades (out of 10).

Using SAS, create two data sets from data above, one for section 1 and another one for section 3. Print the two data sets with appropriate labels and formats with all variable included.

/\*\*\*Nhi\_Vu\*\*Reading\_a\_data\*\*\*/

**data** HW7;

infile '\\Client\H$\Desktop\Math338\data\HW7.txt';

input se **5** ID **6**-**7** @**8** n $ ;

if se = **1** then input #**2** Quiz1-Quiz6 #**3** HW1-HW3;

if se = **3** then input #**2** HW1-HW4 #**3** Quiz1-Quiz7 ;

label se="Section"

ID= "ID student"

n="Student Name";

**run**;

**proc** **print** data=HW7 label;

format ID z2.;

var se ID n HW1-HW4 Quiz1-Quiz7;

title "M100 for all sections";

**run**;

Table

Description automatically generated

/\*\*\*Nhi\_Vu\*\*\*Data\_Set\_1\*\*\*\*/

**data** Section1;

infile '\\Client\H$\Desktop\Math338\data\HW7.txt';

file '\\Client\H$\Desktop\Math338\data\M100\_Section1.txt';

input se **5** ID $**6**-**7** @**8** n $ /;

if se = **1** then do;

input #**2** Quiz1-Quiz6 #**3** HW1-HW3 ;

output;

put #**1** ID n #**2** Quiz1-Quiz6 #**3** HW1-HW3;

end;

drop se;

label ID= "ID student"

n="Student Name";

**run**;

**proc** **print** data= Section1 label noobs;

title "M100 section 1";

**run**;

Table

Description automatically generated

Text

Description automatically generated

/\*\*\*Nhi\_Vu\*\*\*Data\_Set\_2\*\*\*\*/

**data** Section3;

infile '\\Client\H$\Desktop\Math338\data\HW7.txt';

file '\\Client\H$\Desktop\Math338\data\M100\_Section3.txt';

input se **5** ID $**6**-**7** @**5** @**8** n $ ;

if se = **3** then do;

input #**2** HW1-HW4 #**3** Quiz1-Quiz7 ;

output;

put #**1** ID n #**2** HW1-HW4 #**3** Quiz1-Quiz7;

end;

drop se;

label ID= "ID student"

n="Student Name";

**run**;

**proc** **print** data= Section3 label noobs;

title "M100 section 3";

**run**;

Table

Description automatically generated

A screenshot of a computer

Description automatically generated with low confidence