Math 338 Name: Gabrielle Salamanca

Kafai – HW 5

We have three data sets, ONE, TWO, and THREE. Each data set contains the variables:

ID (IDNUM in data set TWO)

SEX

DOB

SALARY

In addition, data set TWO contains TAXRATE and WITHHOLD; data set THREE contains HEIGHT and WEIGHT.

1. Write a program to create a single SAS data set ALL which combines the observations from data sets ONE, TWO, and THREE and contains the variables ID, DOB, and SALARY.
2. Write a program to create a new SAS data set for those people born on or before January 1, 1960, and who earn $50,000 or more per year.

ONE

|  |  |  |  |
| --- | --- | --- | --- |
| ID | SEX | DOB | SALARY |
| 01 | M | 10/21/46 | 70000 |
| 02 | F | 11/01/55 | 68000 |
| 07 | M | 01/27/59 | 47000 |

TWO

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| IDNUM | SEX | DOB | SALARY | TAXRATE | WITHHOLD |
| 03 | F | 01/01/33 | 78000 | 0.36 | 23000 |
| 05 | M | 03/07/29 | 37000 | 0.25 | 9000 |

THREE

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| ID | SEX | DOB | SALARY | HEIGHT | WEIGHT |
| 04 | M | 10/23/49 | 65000 | 68 | 158 |
| 06 | F | 07/04/65 | 55000 | 74 | 202 |

/\*\*\*HW 5\*\*\*Gabrielle Salamanca\*\*\*/

options nodate;

libname datain '\\Client\D$\M338 SAS\Data Files';

**data** ONE;

informat DOB MMDDYY8.;

infile '\\Client\D$\M338 SAS\Data Files\one.txt';

input ID Sex $ DOB Salary;

**run**;

**data** TWO;

informat DOB MMDDYY8.;

infile '\\Client\D$\M338 SAS\Data Files\two.txt';

input IDNum Sex $ DOB Salary Taxrate Withhold;

**run**;

**data** THREE;

informat DOB MMDDYY8.;

infile '\\Client\D$\M338 SAS\Data Files\three.txt';

input ID Sex $ DOB Salary Height Weight;

**run**;

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**data** ALL;

merge ONE TWO THREE;

input ID Sex $ DOB Salary;

**run**;

**proc** **sort**;

by ID;

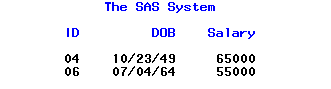
**run**;

**proc** **print** noobs;

var ID DOB Salary;

format ID z2. DOB MMDDYY8. Salary;

**run**;



/\*\*\*HW 5.B\*\*\*Gabrielle Salamanca\*\*\*/

**data** datain.after datain.before;

set ALL;

if DOB >= **0** Salary >= **50000** then output datain.before;

if DOB < **0** then output datain.after;

**run**;

**proc** **print** data = datain.before noobs;

title 'HW 5.B: Gabrielle Salamanca';

**run**;/\*\*\*\*\*\*\*\*\*/

**quit**