

HOMEWORK #9

All data sets to be used in this Homework are in the class folder 'J:\CLASSES\STAT46'.

Create a permanent library called "Learn", for all the exercises.

EXERCISE#1:

Using your SAS data set Sales, create the report shown here:

Sales Figures from the Sales Data Set		
Region	Quantity	Total Sales
East	100	699.0
	100	899.0
	500	19995.0
	2	20000.0
East	702	41593.0
Region	Quantity	Total Sales
North	50	449.5
	3	15597.0
	1	5129.0
	5	52.5
	3	15597.0
North	62	36825.0

Report continued....

Region	Quantity	TotalSales
South	100	599.0
	10	299.5
	1	9109.0
	100	1995.0
South	211	12002.5

Region	Quantity	TotalSales
West	50	299.5
	1000	1990.0
West	1050	2289.5
	2025	92710.0

EXERCISE#2:

Using the **Blood** SAS data set, produce a summary report showing the average of WBC and RBC count for each value of Gender as well as an overall average. Your report should be like the one below:

Statistics from Blood by Gender

Gender	Average WBC	Average RBC
Female	7,112	5.50
Male	6,988	5.47
	7,043	5.48

Hint:

1. use the option **mean** with the option **analysis** in the **Define** statement.
2. Don't forget to **format** the values for both variables WBC and RBC.

EXERCISE#3:

Using the SAS data set **BloodPressure** and the variables Gender, Age, SBP and DBP:

- 1- Use Proc Sort and Proc Print to produce the following table:

Subjects of age 45 or older, in a descending order

Obs	Gender	Age	SBP	DBP
1	F	78	132	76
2	F	68	110	62
3	M	55	130	80
4	F	48	138	88
5	M	45	150	96

SBP is for Systolic Blood Pressure
DBP is for Diastolic Blood Pressure

Note: don't forget the Footnotes.

- 2- produce the below report showing Gender, Age, SBP and DBP.

Order the report in Gender and Age as shown in the output.

Subjects in Gender and Age Order

Gender	Age	Systolic Blood Pressure	Diastolic Blood Pressure
F	28	120	70
	48	138	88
	68	110	62
	78	132	76
M	23	144	90
	35	142	82
	45	150	96
	55	130	80

EXERCISE#4:

Using the SAS data set **Insurance**, produce the following simple custom report:

```
Insurance Report
Insurance Policy contract for Fridman  is of type F

Insurance Report
Insurance Policy contract for Goldman  is of type P

Insurance Report
Insurance Policy contract for Chein   is of type F

Insurance Report
Insurance Policy contract for Stern   is of type P
```