

Interactive Proc Report Version 8

Prepared by



International SAS[®] Training and Consulting

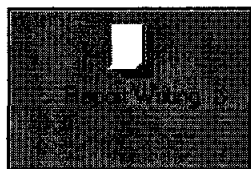
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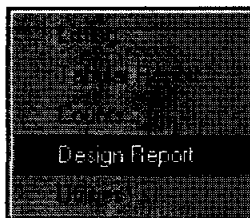
2001-06-27

Interactive Report Generation



From the

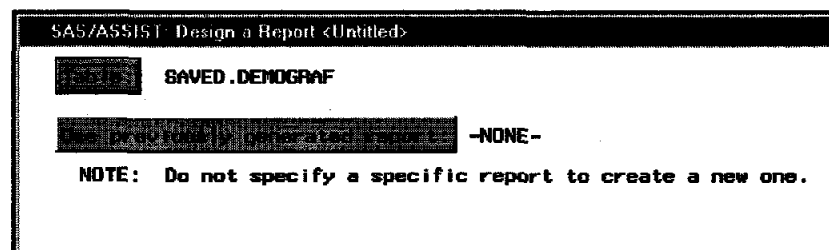
, click on the



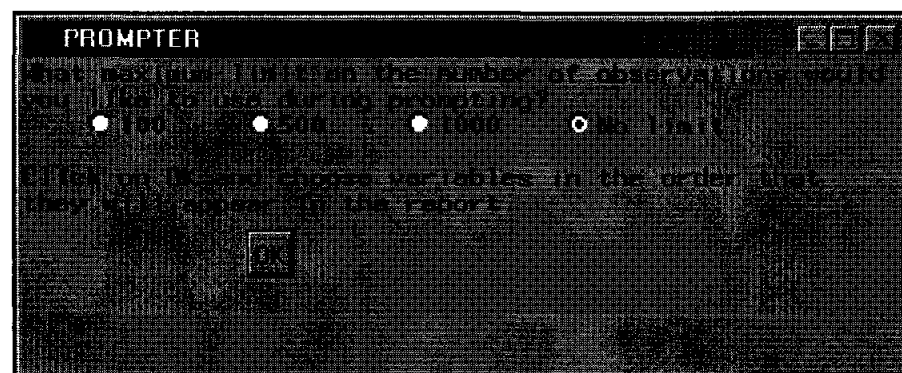
option. Select 'Design a



Select **SAVED.DEMOGRAF** AS THE 'Active data set:'

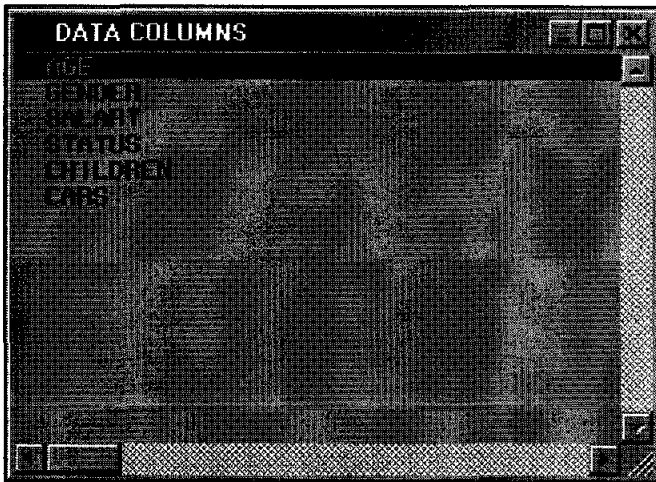


Run it and the prompter will appear. You can restrict the number of observations used to interactively create the report.

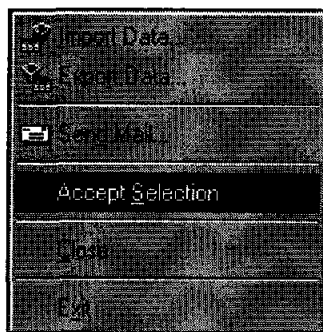
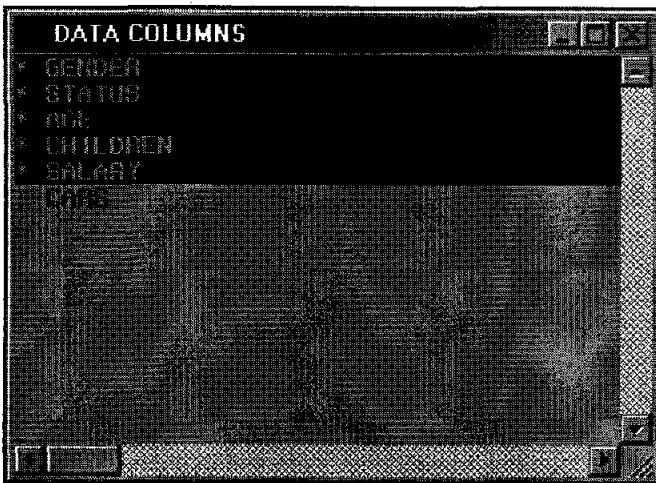


Click  since this is a small table.

The next screen prompts you for the columns to be displayed on the report from left to right.



Select the order.



Click on the File pulldown and

The following report is displayed.

REPORT

GENDER	STATUS	AGE	CHILDREN
F	N	52	5
F	N	46	3
F	N	28	3
F	N	23	3
F	N	56	3
F	N	54	3
F	N	60	3
F	N	32	2
F	N	34	2
F	N	34	2
F	N	38	2
F	N	65	2
F	D	29	2
F	SEP	23	1
F	N	26	1
F	S	12	0
F	S	16	0
F	S	6	0
F	S	22	0
F	S	30	0
F	N	56	0
N	N	48	5
N	N	34	4
N	N	34	3
N	D	44	3
N	SEP	55	2
N	N	28	2
N	N	36	2
N	N	40	2
N	D	25	2
S	S	11	0
S	S	2	0
S	S	14	0
S	S	23	0
S	S	33	0

DEFINITION

- ☐ DISPLAY the value from each observation
- ☐ GROUP report rows by the value
- ☐ SORT observations into columns by
- ☐ Compute column for each of the values (AVERAGE)
- ☐ Compute column for each statistic (MARK'S S)

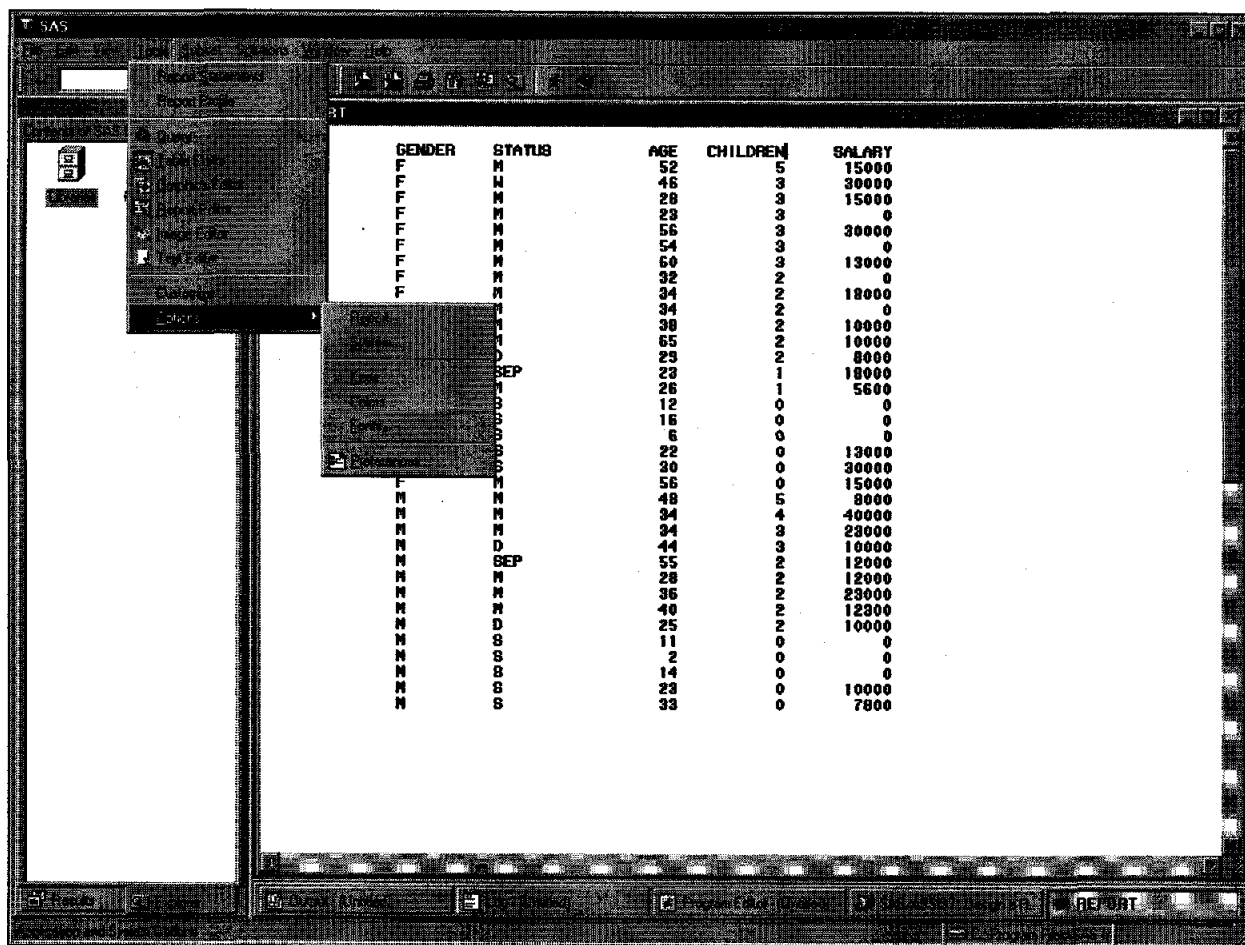
OK Apply Back Exit Prompt

and you are prompted to define each column.

Click  on each of the prompt screens to accept the defaults. Notice character columns are automatically set to DISPLAY while numeric columns are automatically set to ANALYSIS.

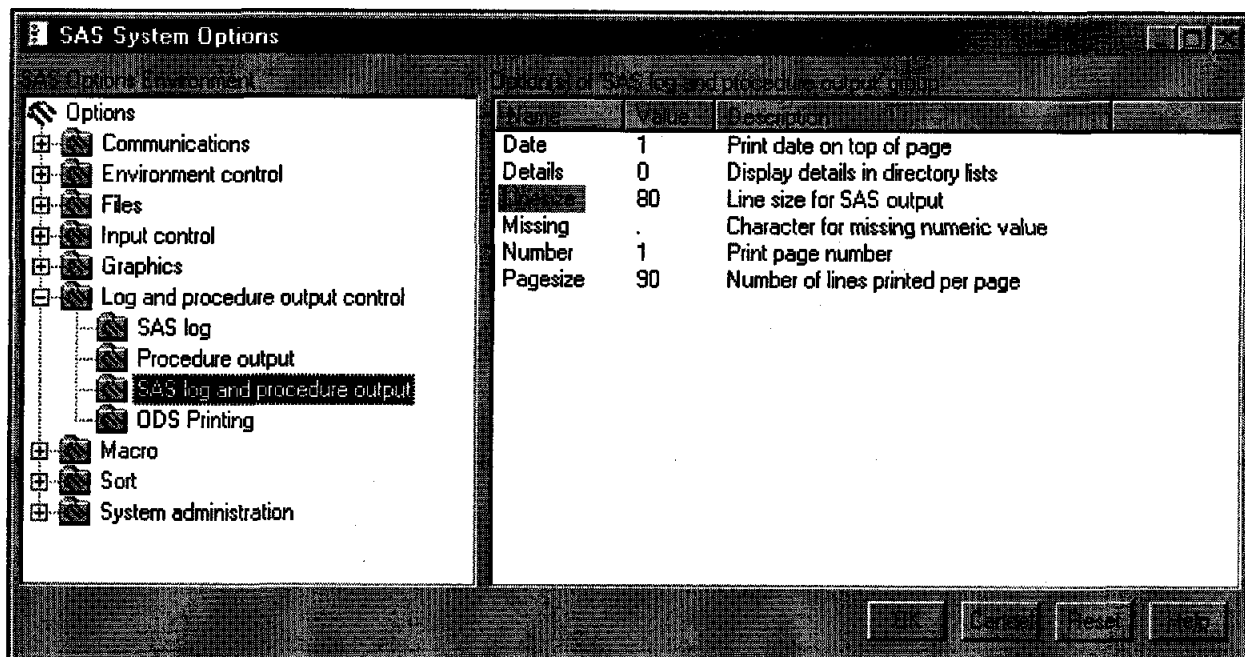
For better display, change the default line size (width) to about 80 for this demonstration.

Click on the Tools pulldown, Options and System.



GENDER	STATUS	AGE	CHILDREN	SALARY
F	M	52	5	15000
F	M	46	3	30000
F	M	28	3	15000
F	M	28	3	0
F	M	55	3	30000
F	M	54	3	0
F	M	60	3	13000
F	M	32	2	0
F	M	34	2	18000
F	M	34	2	0
F	M	30	2	10000
F	M	65	2	10000
F	M	29	2	8000
F	M	29	1	18000
F	M	26	1	5500
F	M	12	0	0
F	M	16	0	0
F	M	6	0	0
F	M	22	0	13000
F	M	30	0	30000
F	M	56	0	15000
F	M	48	5	8000
F	M	34	4	40000
F	M	34	3	23000
F	M	44	3	10000
F	M	55	2	12000
F	M	28	2	12000
F	M	36	2	23000
F	M	40	2	12300
F	M	25	2	10000
F	M	11	0	0
F	M	2	0	0
F	M	14	0	0
F	M	23	0	10000
F	M	33	0	7800

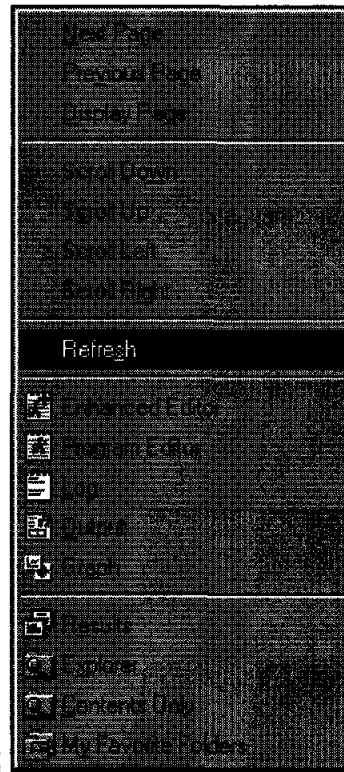
Select SAS Log and Procedure Output.



Option	Value	Description
Date	1	Print date on top of page
Details	0	Display details in directory lists
Linesize	80	Line size for SAS output
Missing	.	Character for missing numeric value
Number	1	Print page number
Pagesize	90	Number of lines printed per page

Double click on Linesize and change it to 80.

Select  when finished.



Refresh the report by selecting the View pull down and

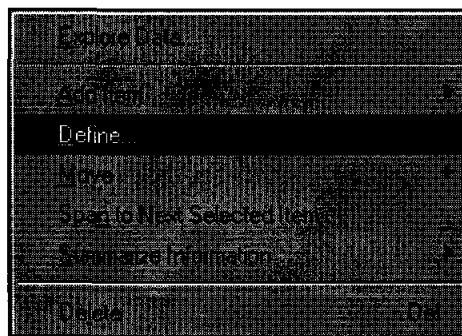
HANDS ON WORKSHOPS

REPORT				
GENDER	STATUS	AGE	CHILDREN	SALARY
F	M	52	5	15000
F	W	46	3	30000
F	M	28	3	15000
F	M	23	3	0
F	M	56	3	30000
F	M	54	3	0
F	M	60	3	13000
F	M	32	2	0
F	M	34	2	18000
F	M	34	2	0
F	M	38	2	10000
F	M	65	2	10000
F	D	29	2	8000
F	SEP	23	1	18000
F	M	26	1	5600
F	S	12	0	0
F	S	16	0	0
F	S	6	0	0
F	S	22	0	13000
F	S	30	0	30000
F	M	56	0	15000
M	M	48	5	8000
M	M	34	4	40000
M	M	34	3	23000
M	D	44	3	10000
M	SEP	55	2	12000
M	M	28	2	12000
M	M	36	2	23000
M	M	40	2	12300
M	D	25	2	10000
M	S	11	0	0
M	S	2	0	0
M	S	14	0	0
M	S	23	0	10000
M	S	33	0	7800

Let's enhance the report. Let's order the data and add subtotals and grand totals.

Highlight the Gender column.

REPORT				
GENDER	STATUS	AGE	CHILDREN	SALARY
M		52	5	15000
M		46	3	30000
M		28	3	15000
M		29	3	0
M		56	3	30000
M		54	3	0
M		60	3	13000
M		32	2	0
M		34	2	18000
M		34	2	0
M		38	2	10000
M		65	2	10000
D		29	2	8000
SEP		29	1	18000
M		26	1	5600
S		12	0	0
S		16	0	0
S		6	0	0
S		22	0	13000
S		30	0	30000
M		56	0	15000
M		48	5	8000
M		34	4	40000
M		34	3	23000
D		44	3	10000
SEP		55	2	12000
M		28	2	12000
M		36	2	23000
M		40	2	12300
D		25	2	10000
S		11	0	0
S		2	0	0
S		14	0	0
S		23	0	10000
S		33	0	7800



Click the Edit pull down and

The following screen appears, allowing you to define the highlighted column.

DEFINITION

Definition of GENDER

Usage	Attributes	Options	Color
☒ DISPLAY	Format = \$8.	☐ NOZINT	BLUE
☐ ORDER	Spacing = 2	☐ NOZERO	RED
☐ GROUP	Width = 8	☐ DESCENDING	PINK
☐ ACROSS	Statistics = FORMATTED	☐ PAGE	GREEN
☐ ANALYSIS	Order = LEFT	☐ FLOW	YELLOW
☐ COMPUTED	Data type = CHARACTER	☐ 10 column	WHITE
	Item help = ...		ORANGE
	Alias = ...		BLACK
			MAGENTA
			BROWN

Header = GENDER

Apply Edit Program OK Cancel

Change it to modify the Usage to be Order and change the Header label.

DEFINITION

Definition of GENDER

Usage	Attributes	Options	Color
☐ DISPLAY	Format = \$8.	☐ NOZINT	BLUE
☒ ORDER	Spacing = 2	☐ NOZERO	RED
☐ GROUP	Width = 8	☐ DESCENDING	PINK
☐ ACROSS	Statistics = FORMATTED	☐ PAGE	GREEN
☐ ANALYSIS	Order = LEFT	☐ FLOW	YELLOW
☐ COMPUTED	Data type = CHARACTER	☐ 10 column	WHITE
	Item help = ...		ORANGE
	Alias = ...		BLACK
			MAGENTA
			BROWN

Header = Gender of Employee

Apply Edit Program OK Cancel

Click **Apply** to see the results immediately and **OK** when done.

Gender of Employee	STATUS	AGE	CHILDREN	SALARY
F	D	29	2	8000
	M	52	5	15000
		28	3	15000
		23	3	0
		56	3	30000
		54	3	0
		60	3	13000
		32	2	0
		34	2	18000
		34	2	0
38	2	10000		
	S	65	2	10000
		26	1	5600
		56	0	15000
		12	0	0
		16	0	0
		6	0	0
		22	0	13000
		30	0	30000
		23	1	18000
	M	SEP	46	3
W		44	3	10000
D		25	2	10000
M		49	5	8000

DEFINITION

• DISCEAT

○ DISCEB

• DISCEP

• DISCESS

• DISCEZIS

• DISCEZED

Structure

Format

Encoding

Width

Structure

Order

Justify

Date type

Time type

Flags

00

2

2

2

FORMATTED

LEFT

CHARACTER

Options

NOPRINT

NOZERO

DECPENDING

Y/N

LOW

ID active

Color

BULE

RED

PINK

GREEN

WHITE

YELLOW

BLACK

ANYCOLOR

Gender of Employee

Gender

Apply

Exit Program

OK

Cancel

Notice how both GENDER and STATUS were both redefined as Order.

Change the Age column's default statistic to Mean.

HANDS ON WORKSHOPS

REPORT				
Gender of Employee	STATUS	AGE	CHILDREN	SALARY
F	D	29	2	8000
	M	52	5	15000
		28	3	15000
		23	3	0
		56	3	30000
		54	3	0
		60	3	13000
		32	2	0
		34	2	18000
		34	2	0
		38	2	10000
		65	2	10000
		26	1	5600
	S	56	0	15000
		12	0	0
		16	0	0
		6	0	0
		22	0	13000
	SEP	30	0	30000
	M	23	1	18000
	D	46	3	30000
M		44	3	10000
	M	25	2	10000
		48	5	8000
		34	4	40000
		34	3	23000
		28	2	12000
		36	2	23000
	S	40	2	12300
		11	0	0
		2	0	0
		14	0	0
		23	0	10000
	SEP	33	0	7800
		55	2	12000

DEFINITION				
Definition of AGE				
Usage	Attributes	Options	Color	
☐ DISPLAY	Format = BEST9.	☐ NOPRINT	BLUE	
☐ ORDER	Spacing = 2	☐ MINZERO	RED	
☐ GROUP	Width = 3	☐ DESCENDING	PINK	
☐ ACROSS	Statistics =	☐ PAGE	GREEN	
☒ ANALYSIS	Order = FORMATTED	☐ FLOW	YELLOW	
☐ COMPUTED	Justify = RIGHT	☐ ID column	WHITE	
	Date type = NUMERIC		ORANGE	
	Item help =		BLACK	
	Alias =		PACENTA	
			SHOWN	
Header = AGE				
Apply Edit Program OK Cancel				

Type a ? in the statistic field to see the possible statistics.

DEFINITION

Definition of AGE

Usage	Attributes	Options	Color
☒ DISPLAY	Format = BEST9	☐ NUMERIC	BLUE
☒ ORDER	Spacing = 2	☐ NOZERO	RED
☒ GROUP	Width = 9	☐ DESCENDING	PINK
☒ ACROSS	Statistic = MEAN	☐ PAGE	GREEN
☒ ANALYSIS	Order = FORMATTED	☐ FLOW	YELLOW
☒ COMPUTED	Justify = RIGHT	☐ ID column	WHITE
	Data type = NUMERIC		ORANGE
	Item help =		BLACK
	Alias =		MAGENTA
			BROWN

Header = Age of Employees

Apply Edit Program OK Cancel

Click **OK** when finished.

Now, let's add subtotals to the Gender Level. Highlight the Gender column.

REPORT				
Gender of Employee	STATUS	Age of Employee	CHILDREN	SALARY
F	D	29	2	8000
	M	52	5	15000
		28	3	15000
		23	3	0
		56	3	30000
		54	3	0
		60	3	13000
		32	2	0
		34	2	18000
		34	2	0
		38	2	10000
		65	2	10000
		26	1	5600
		56	0	15000
	S	12	0	0
		16	0	0
		6	0	0
		22	0	13000
		30	0	30000
	SEP	23	1	18000
M	46	3	30000	
D	44	3	10000	
	25	2	10000	
M	48	5	8000	
	34	4	40000	
	34	3	23000	
	28	2	12000	
	36	2	23000	
	40	2	12300	
S	11	0	0	
	2	0	0	
	14	0	0	
	23	0	10000	
	33	0	7800	
	SEP	55	2	12000

Select the Edit pull down, Summarize information, After Item.

STATUS	Age of Employee	CHILDREN	SALARY
	29	2	8000
	52	5	15000
	28	3	15000
	23	3	0
	56	3	30000
	54	3	0
	50	3	13000
	32	2	0
	34	2	18000
	34	2	0
	38	2	10000
	65	2	10000
	26	1	5600
	56	0	15000
S	12	0	0
	16	0	0
	6	0	0
	22	0	13000
	30	0	30000
SEP	23	1	18000
M	46	3	30000
D	44	3	10000
	25	2	10000
M	40	5	8000
	34	4	40000
	34	3	23000
	28	2	12000
	36	2	23000
	40	2	12300
S	11	0	0
	2	0	0
	14	0	0
	23	0	10000
	33	0	7800
SEP	55	2	12000

Change the following screen to specify how to break, which request summarization, an overline and to skip a line after the subtotal.

BREAK

Breaking AFTER GENDER

Options:

- ☒ Overline summary
- ☐ Double overline summary
- ☐ Underline summary
- ☐ Double underline summary
- ☒ Skip line after break
- ☐ Page after break
- ☒ Summarize analysis columns
- ☐ Suppress break value

Color:

- BLUE
- RED
- PINK
- GREEN
- YELLOW
- WHITE
- ORANGE
- BLACK
- MAGENTA
- BROWN

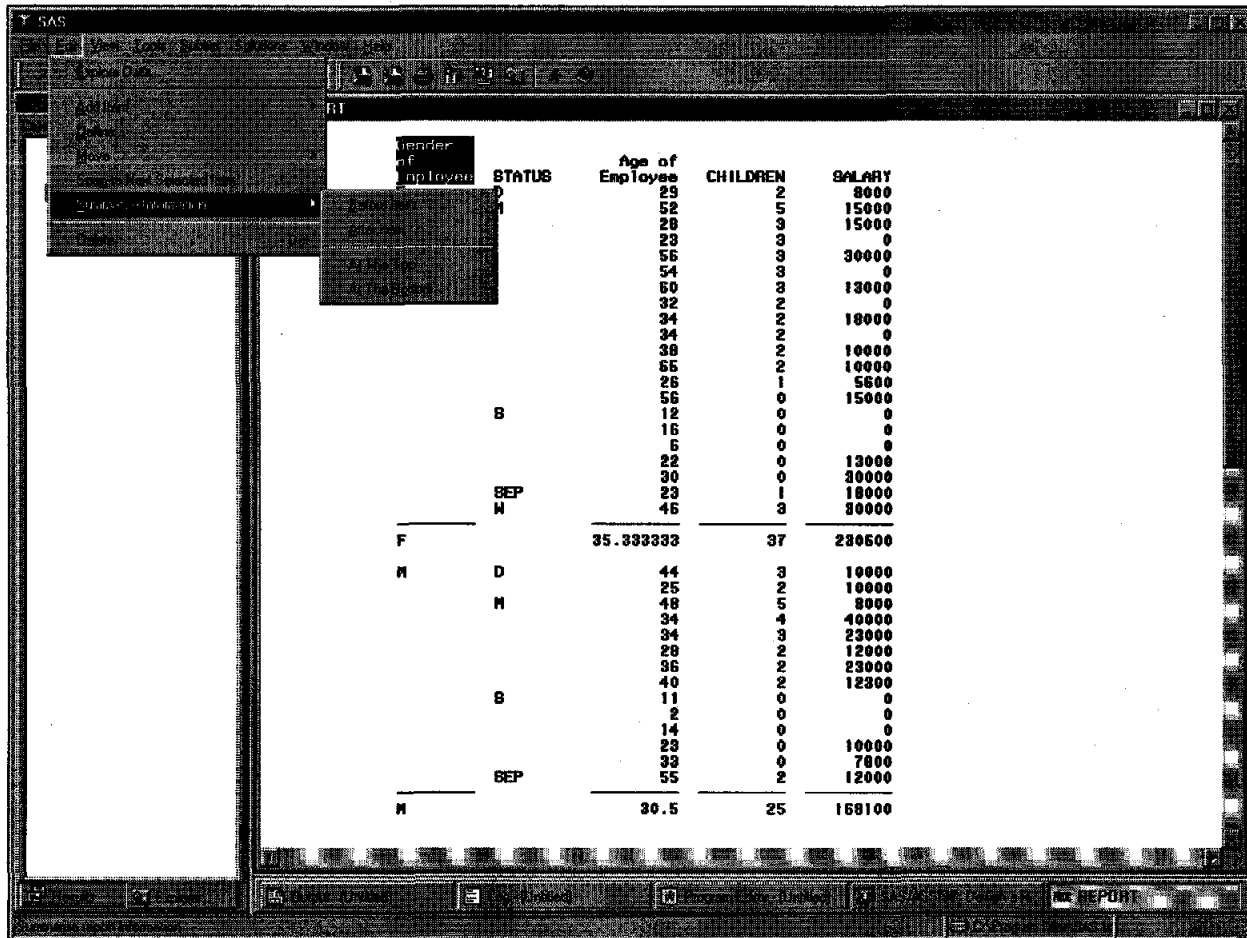
Edit Program OK Cancel

HANDS ON WORKSHOPS

Click  when finished.

Let's add a grand total.

Select the Edit pull down and Summarize information At The Top.



Gender	Age of Employee	STATUS	CHILDREN	SALARY
F	23		2	8000
F	52		5	15000
F	28		3	15000
F	23		3	0
F	56		3	30000
F	54		3	0
F	50		3	13000
F	32		2	0
F	34		2	18000
F	34		2	0
F	38		2	10000
F	55		2	10000
F	25		1	5500
F	56		0	15000
F	12		0	0
F	16		0	0
F	5		0	0
F	22		0	13000
F	30		0	30000
F	23		1	18000
F	45		3	30000
F			37	230500
M	44		3	10000
M	25		2	10000
M	48		5	8000
M	34		4	40000
M	34		3	23000
M	28		2	12000
M	36		2	23000
M	40		2	12300
M	11		0	0
M	2		0	0
M	14		0	0
M	23		0	10000
M	33		0	7800
M	55		2	12000
M			25	168100

Modify the screen to look like the following.

BREAK

Breaking at top of report

☐ Over line summary
☐ Double over line summary
☐ Under line summary
☒ Double under line summary

☐ Skip line after break
☐ Page after break

☒ Summarize analysis columns
☐ Suppress break value

Color

BLUE
 RED
 PINK
 GREEN
 YELLOW
 WHITE
 GRAY
 BLACK
 MAGENTA
 BROWN

Edit Properties OK Cancel

Click  when finished.

REPORT						
Gender of Employee	STATUS	Age of Employee 33.4	CHILDREN 62	SALARY 398700		
		-----	-----	-----		
F	D	29	2	8000		
		52	5	15000		
		28	3	15000		
		23	3	0		
		56	3	30000		
		54	3	0		
		60	3	13000		
		32	2	0		
		34	2	18000		
		34	2	0		
		38	2	10000		
		65	2	10000		
	S	26	1	5600		
		56	0	15000		
		12	0	0		
		16	0	0		
		6	0	0		
		22	0	13000		
		30	0	30000		
		SEP	23	1	18000	
			46	3	30000	
		M				
				35.333333	37	230600
		M	D	44	3	10000
25	2			10000		
48	5			8000		
34	4			40000		
34	3			23000		
28	2			12000		
M	36		2	23000		
	40		2	12300		
	S		11	0	0	
			2	0	0	
			14	0	0	
			23	0	10000	
SEP	33		0	7800		
	55		2	12000		
			30.5	25	169100	
M						

Let's add some final touches, including titles and headers.

Select the Tools pull down, Options, Report.

The screenshot shows the SAS RT window with a data table. The Tools pull-down menu is open, showing the Options and Report options. The data table is as follows:

Gender of Employee	STATUS	Age of Employee	CHILDREN	SALARY
F	D	29	2	8000
	M	52	5	15000
		28	3	15000
		23	3	0
		56	3	30000
		54	3	0
		60	3	13000
		32	2	0
		34	2	18000
		34	2	0
		38	2	10000
		65	2	10000
		26	1	5600
		56	0	15000
		12	0	0
		16	0	0
		6	0	0
		22	0	13000
		30	0	30000
		23	1	18000
		46	3	30000
F		35.333333	37	230600
M	D	44	3	10000
	M	25	2	10000
		48	5	8000
		34	4	40000
		34	3	23000
		28	2	12000
		36	2	23000
	S	40	2	12300
		11	0	0
		2	0	0
		14	0	0
		23	0	10000
		33	0	7800
	SEP	55	2	12000
M		30.5	25	168100

Select Headline and Headskip.

The screenshot shows the SAS OPTIONS dialog box. The following options are checked:

- PROMPT
- CENTER
- HEADLINE
- HEADSKIP

The following options are unchecked:

- NOINDEX
- NOHEADER
- SHOWALL
- WRAP
- BOX
- MISSING

The following options are set to specific values:

- Attributes: 80
- Linesize: 80
- Pagesize: 90
- Colwidth: 9
- Spacing: 2
- Split: /
- Panel: 1
- PanelSpace: 4

The User Help section is also visible, showing Libname and Catalog options.

Click  when finished.

REPORT				
Gender of Employee	STATUS	Age of Employee	CHILDREN	SALARY
		33.4	62	398700
F	D	29	2	8000
		52	5	15000
		28	3	15000
		23	3	0
		56	3	30000
		54	3	0
		60	3	13000
		32	2	0
		34	2	18000
		34	2	0
	S	38	2	10000
		65	2	10000
		26	1	5600
		56	0	15000
		12	0	0
		16	0	0
		6	0	0
		22	0	13000
		30	0	30000
		23	1	18000
		46	3	30000
F		35.333333	37	230600
M	D	44	3	10000
		25	2	10000
		48	5	8000
		34	4	40000
		34	3	23000
		28	2	12000
	S	36	2	23000
		40	2	12300
		11	0	0
		2	0	0
		14	0	0
		23	0	10000
	SEP	33	0	7800
		55	2	12000

Where

Let's subset the report. Select the Subset pull down and

Where

salary > 0

OK

Click



HANDS ON WORKSHOPS

REPORT				
Gender of Employee	STATUS	Age of Employee	CHILDREN	SALARY
F	D	38.6	52	398700
		29	2	8000
		52	5	15000
		28	3	15000
		56	3	30000
		60	3	13000
		34	2	18000
		38	2	10000
		65	2	10000
		26	1	5600
	S	56	0	15000
		22	0	13000
		30	0	30000
		23	1	18000
		46	3	30000
F		40.357143	27	230600
M	D	44	3	10000
		25	2	10000
		48	5	8000
		34	4	40000
		34	3	23000
	S	28	2	12000
		36	2	23000
		40	2	12300
		23	0	10000
		33	0	7800
	SEP	55	2	12000
M		36.363636	25	168100

Let's add a computed column to the right (very important) of the existing data. We will add a new column called RAISE. It will use SALARY, which will be printed to the left. SALARY must be available so RAISE can use it in a calculation.

Highlight Salary, select the Edit pull down, Add Item, Computed, Right.

	Age of Employee	CHILDREN	SALARY
	38.6	52	398700
F	29	2	8000
	52	5	15000
	28	3	15000
	56	3	30000
	60	3	13000
	34	2	18000
	38	2	10000
	65	2	10000
	26	1	5500
	56	0	15000
	22	0	13000
	30	0	30000
	23	1	18000
	46	3	10000
F	40.357143	27	230600
M			
	44	3	10000
	25	2	10000
	40	5	8000
	34	4	40000
	34	3	23000
	29	2	12000
	36	2	23000
	40	2	12000
	23	0	10000
	33	0	7800
	55	2	12000
M	36.363636	25	108100

COMPUTED VAR

Variable name: _____

☐ Character data

Length: _____

Edit Program OK Cancel

Type in the name of RAISE.

COMPUTED VAR

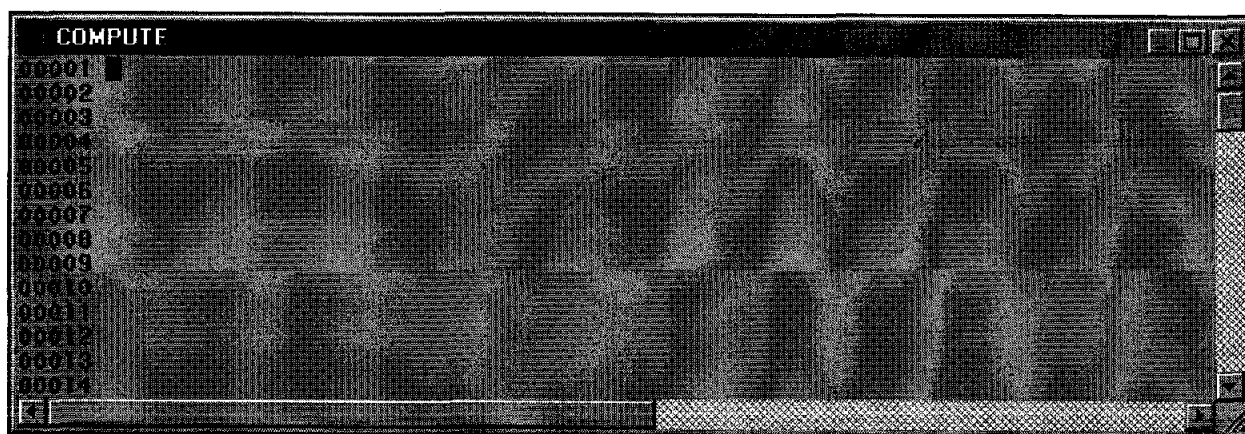
Variable name: RAISE

☐ Character data

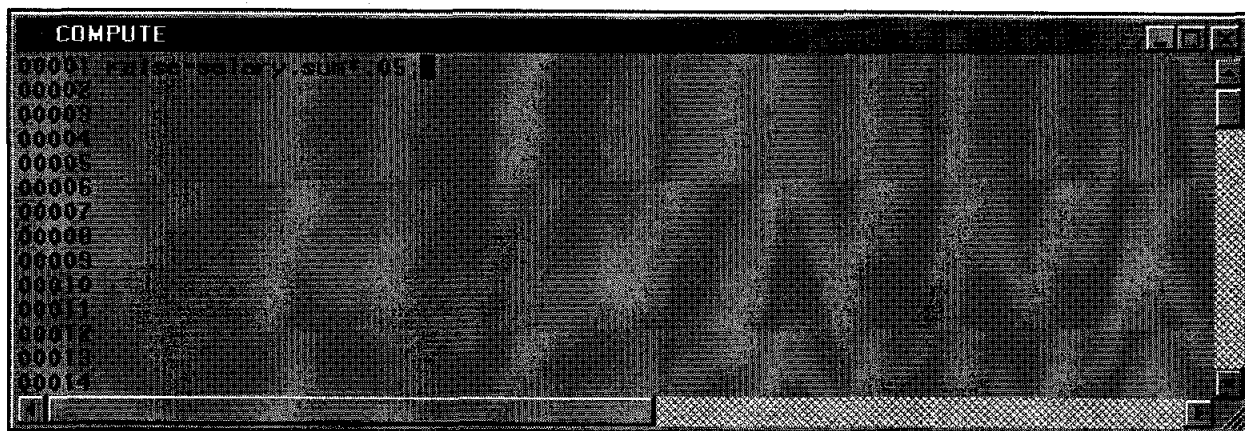
Length: _____

Edit Program OK Cancel

Click **Edit Program** to see



Type in the calculation.



Remember, SALARY is really known as SALARY.SUM, because the statistic has been applied to the column on the report.

Close the window and click



Click  and the following is displayed.

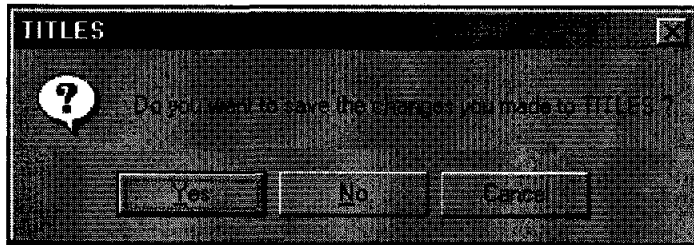
REPORT					
Gender of Employee	STATUS	Age of Employee	CHILDREN	SALARY	RAISE
F	D	38.6	52	398700	19935
		29	2	8000	400
		52	5	15000	750
		28	3	15000	750
		56	3	30000	1500
		60	3	13000	650
		34	2	18000	900
		38	2	10000	500
		65	2	10000	500
		26	1	5500	280
	S	56	0	15000	750
		22	0	13000	650
		30	0	30000	1500
		23	1	18000	900
	SEP	46	3	30000	1500
F		40.357143	27	230600	11530
M	D	44	3	10000	500
		25	2	10000	500
		48	5	8000	400
		34	4	40000	2000
		34	3	23000	1150
	S	28	2	12000	600
		36	2	23000	1150
		40	2	12300	615
		23	0	10000	500
		33	0	7800	390
	SEP	55	2	12000	600
M		36.363636	25	168100	8405

Add a title by opening up the title window.

Type in the command box.

TITLES	
Title	Value
1	This is an example of Proc Report
2	
3	
4	
5	
6	
7	
8	
9	
10	

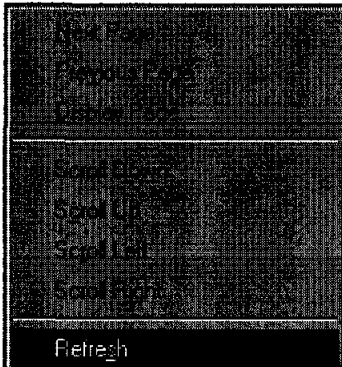
Modify as necessary and close.



Click 

REPORT					
Gender of Employee	STATUS	Age of Employee	CHILDREN	SALARY	RAISE
F	D	38.6	52	398700	19935
		29	2	8000	400
		52	5	15000	750
		28	3	15000	750
		56	3	30000	1500
		60	3	13000	650
		34	2	18000	900
		38	2	10000	500
		65	2	10000	500
		26	1	5600	280
	S	56	0	15000	750
		22	0	13000	650
		30	0	30000	1500
		23	1	18000	900
	SEP	46	3	30000	1500
F		40.357143	27	230600	11530
M	D	44	3	10000	500
		25	2	10000	500
		48	5	8000	400
		34	4	40000	2000
		34	3	23000	1150
		28	2	12000	600
	S	36	2	23000	1150
		40	2	12300	615
		23	0	10000	500
		33	0	7800	390
		55	2	12000	600
M		36.363636	25	168100	8405

Titles don't appear until the display is refreshed. Select the View pull down and



REPORT

This is an example of Proc Report

Gender of Employee	STATUS	Age of Employee	CHILDREN	SALARY	RAISE
		38.6	52	398700	19935
F	D	29	2	8000	400
		52	5	15000	750
		28	3	15000	750
		56	3	30000	1500
		60	3	13000	650
		34	2	18000	900
		38	2	10000	500
		65	2	10000	500
		26	1	5800	280
		56	0	15000	750
	S	22	0	13000	650
		30	0	30000	1500
		23	1	18000	900
	SEP	46	3	30000	1500
F		40.357143	27	230600	11530
M	D	44	3	10000	500
		25	2	10000	500
		48	5	8000	400
		34	4	40000	2000
		34	3	23000	1150
		28	2	12000	600
	S	36	2	23000	1150
		40	2	12300	615
		23	0	10000	500
		33	0	7800	390
		55	2	12000	600
	SEP				
M		36.363636	25	168100	8405

Finally, let's consider how grouping is used. First, we must restructure the report. Remove subtotalling and change all Order definitions to Group.

Highlight GENDER.

REPORT

This is an example of Proc Report 1

Gender of Employee	STATUS	Age of Employee	CHILDREN	SALARY	RAISE
F		38.6	52	398700	19935
		-----	-----	-----	-----
	D	29	2	8000	400
	M	52	5	15000	750
		28	3	15000	750
		56	3	30000	1500
		60	3	13000	650
		34	2	18000	900
		38	2	10000	500
		65	2	10000	500
		26	1	5600	280
		56	0	15000	750
	S	22	0	13000	650
		30	0	30000	1500
	SEP	23	1	18000	900
	M	46	3	30000	1500
		40.357143	27	230600	11530
M	D	44	3	10000	500
		25	2	10000	500
	M	48	5	8000	400
		34	4	40000	2000
		34	3	23000	1150
		28	2	12000	600
		36	2	23000	1150
		40	2	12300	615
	S	23	0	10000	500
		33	0	7800	390
	SEP	55	2	12000	600
		36.363636	25	168100	8405

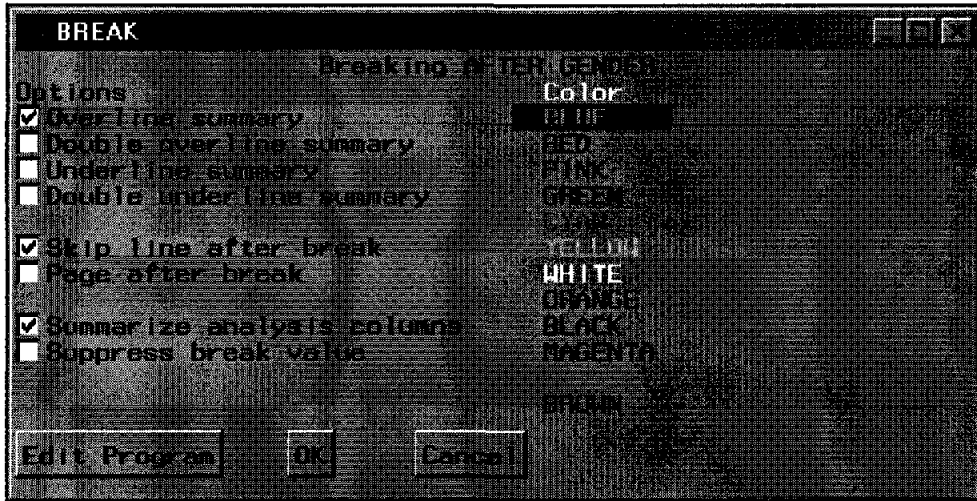
Before Item

After Item

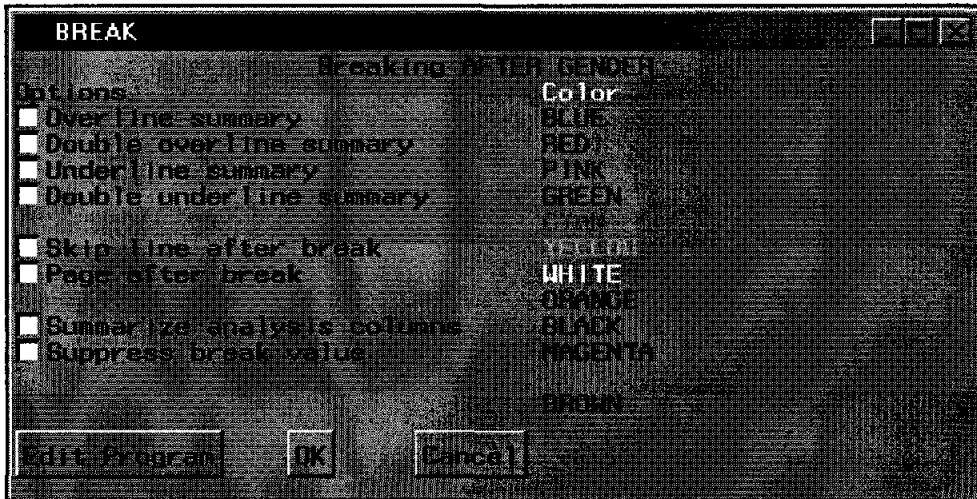
At the Top

At the Bottom

Select the Edit pull down and Summarize Information,

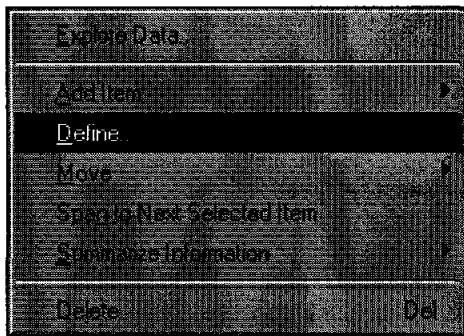


Unselect summary information.



Click 

While GENDER is still highlighted, select the Edit pull down and



Change the Definition to Group.

DEFINITION

Definition of GENDER

Usage	Attributes	Options	Color
☒ DISPLAY	Format = 99	☐ NOPRINT	BLUE
☒ ORDER	Spacing = 2	☐ NOZERO	RED
☐ GROUP	Width = 8	☐ DESCENDING	PINK
☒ ACROSS	Statistic =	☐ PAGE	GREEN
☒ ANALYSIS	Order = FORMATTED	☐ FLOA	YELLOW
☒ COMPUTED	Justify = LEFT	☐ ID column	WHITE
	Data type = CHARACTER		ORANGE
	Icon help =		BLACK
	Alias =		MAGENTA
			BROWN

Header = Gender of Employees

Click and see the result.

REPORT

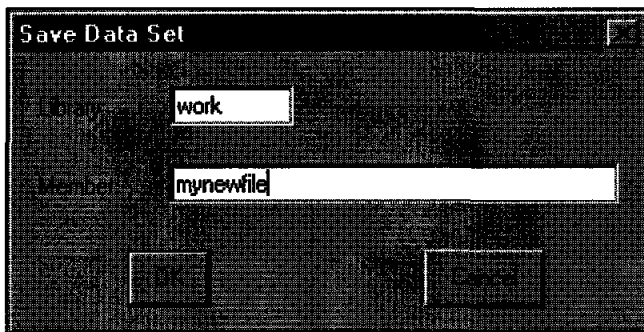
This is an example of Proc Report 1

Gender of Employee	STATUS	Age of Employee	CHILDREN	SALARY	RAISE
F	D	38.6	52	398700	19935
	M	29	2	8000	400
	S	46.111111	21	131600	6580
	SEP	26	0	43000	2150
	W	23	1	18000	900
M	D	46	3	30000	1500
	M	34.5	5	20000	1000
	S	36.666667	18	118300	5915
	SEP	28	0	17800	890
		55	2	12000	600

Notice how the report can also do the summarization for us.

Two utilities can be useful here. We can take this report structure and output it to a SAS data set or we can simply save the code for future use.

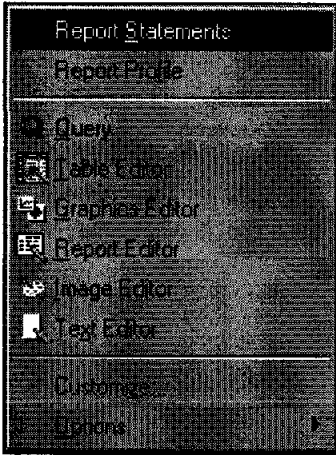
To output the result to a data set, select the File pull down and select



VIEWTABLE: work.mynewfile

	STATUS	STATUS	AGE	CHILDREN	SALARY	RAISE	REASON
1			38.6	52	398700	19935	_RBREAK_
2	F	D	29	2	8000	400	
3	F	M	46.1111111111	21	131600	6580	
4	F	S	26	0	43000	2150	
5	F	SEP	23	1	18000	900	
6	F	W	46	3	30000	1500	
7	M	D	34.5	5	20000	1000	
8	M	M	36.6666666667	18	118300	5915	
9	M	S	28	0	17800	890	
10	M	SEP	55	2	12000	600	

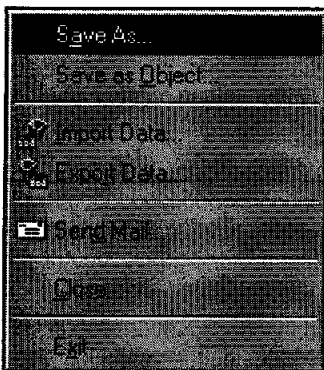
To save the code created to a file, simple select on the Tools pull down and

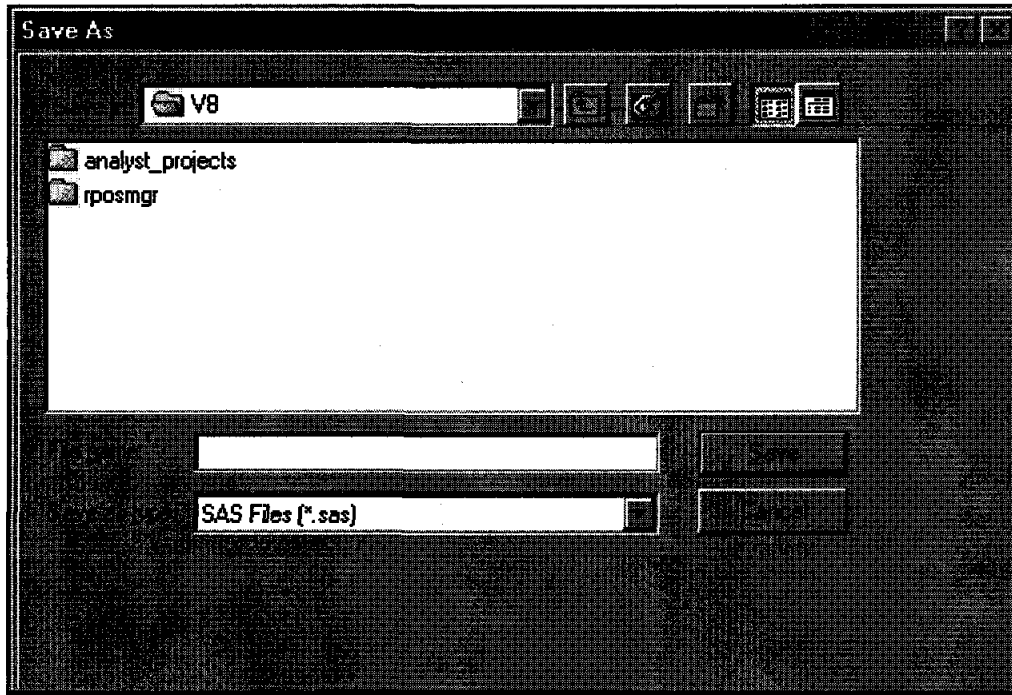


```

SOURCE
00001 PROC REPORT DATA=BAYED.DERCOMP LS=80 PS=90 SPLIT=7 HEADLINE HEADSKIP
00002          CENTER
00003 COLUMN  GENDER STATUS AGE CHILDREN SALARY RAISE
00004
00005 DEFINE  GENDER / GROUP FORMAT=50 WIDTH=8 SPACING=2 LEFT
00006 "Gender of Employee"
00007 DEFINE  STATUS / GROUP FORMAT=50 STATUS WIDTH=8 SPACING=2 LEFT "STATUS"
00008 DEFINE  AGE / MEAN FORMAT= BEST9 WIDTH=5 SPACING=2 RIGHT "Age of Employee"
00009
00010 DEFINE  CHILDREN / SUM FORMAT= BEST9 WIDTH=5 SPACING=2 RIGHT "CHILDREN"
00011 DEFINE  SALARY / SUM FORMAT= BEST9 WIDTH=5 SPACING=2 RIGHT "SALARY"
00012 DEFINE  RAISE / COMPUTED FORMAT= BEST9 WIDTH=5 SPACING=2 RIGHT "RAISE"
00013
00014 COMPUTE  RAISE
00015 raise = salary * .05
00016 ENDCOMP
00017
00018 HBREAK BEFORE / DUL SUMMARIZE
00019 RUN
    
```

Notice no Title statements are part of the code. Select the File pull down





and give it a name.