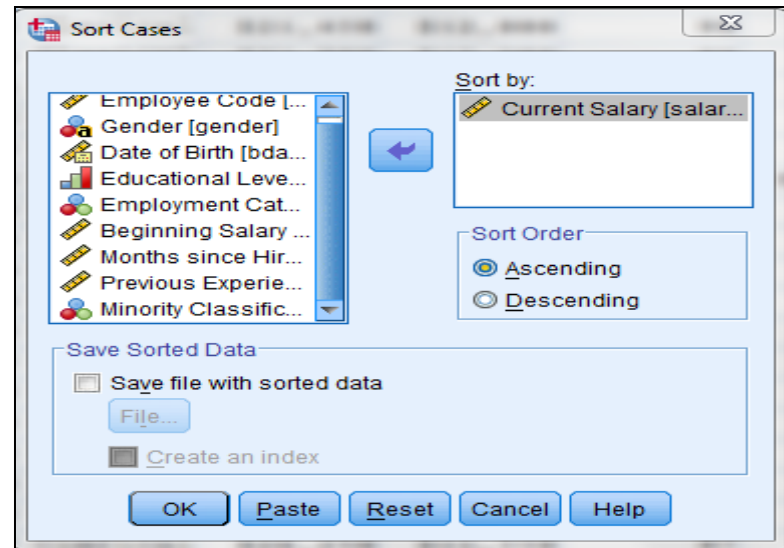
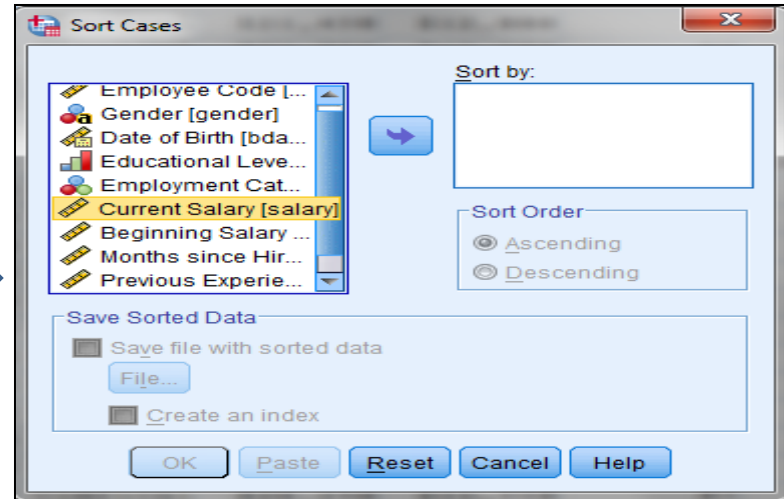
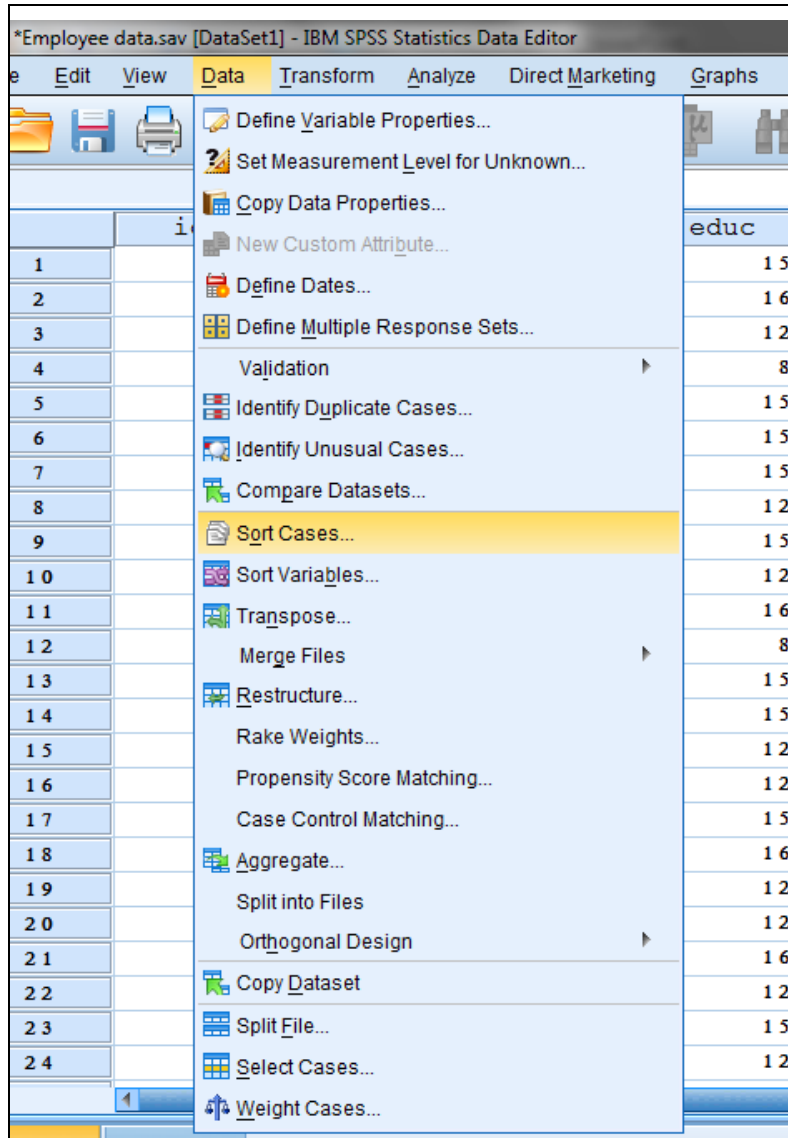


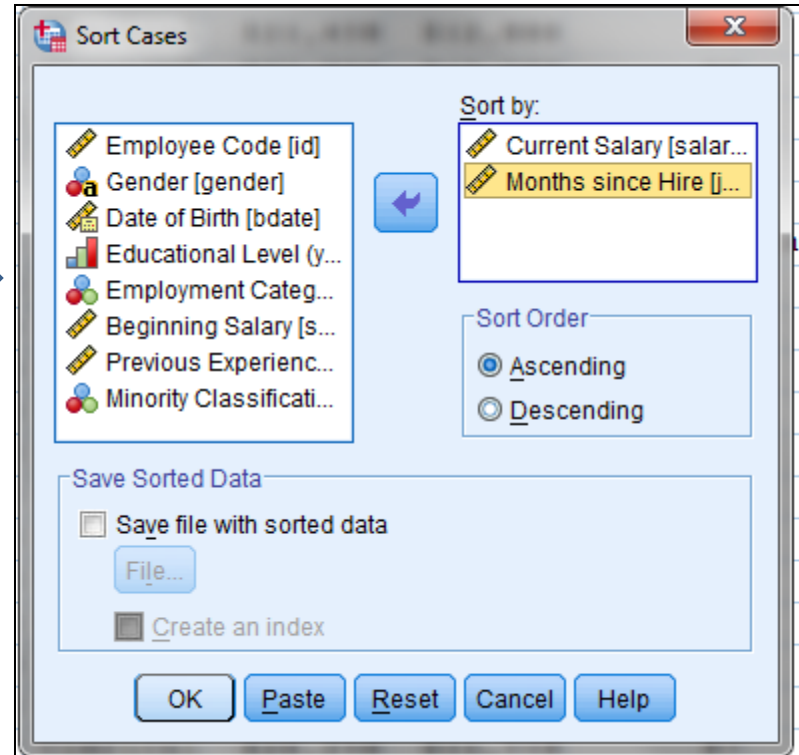
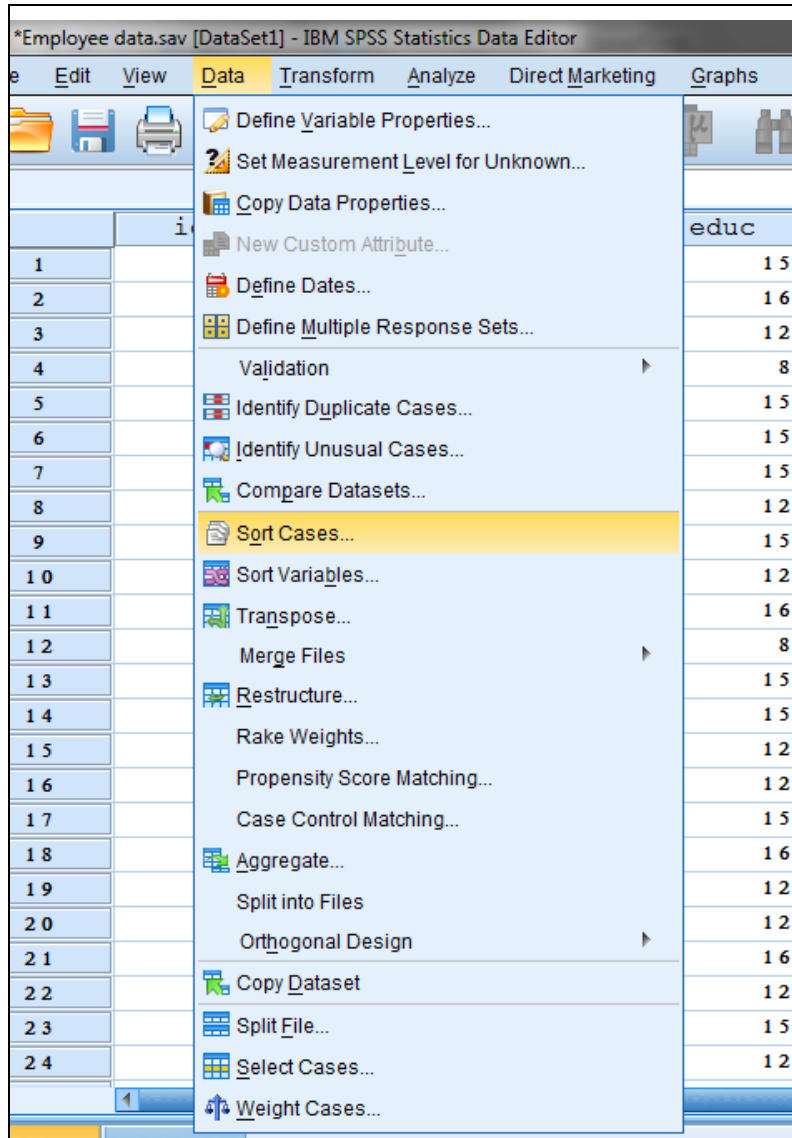
Lecture#3

Sort, Compute and Recode

- Sort employee data by salary “ascending”.



- Sort employee data by salary and jobtime.



- Obtain a new variable that compute the salary after adding 100\$, and name it “new.salary1”

*Employee data.sav [DataSet1] - IBM SPSS Statistics Data Editor

	id		
1	1		
2	2		
3	3		
4	4		
5	5		
6	6		
7	7		
8	8		
9	9		
10	10		
11	11		
12	12		
13	13		
14	14		
15	15		
16	16		
17	17	Male	07/18/1962
18	18	Male	03/20/1956



Compute Variable

Target Variable: new.salary1

Numeric Expression: salary+100

Type & Label...

Employee Code [id]
Gender [gender]
Date of Birth [bdate]
Educational Level (y...
Employment Categ...
Current Salary [salary]
Beginning Salary [s...
Months since Hire [j...
Previous Experienc...
Minority Classificati...

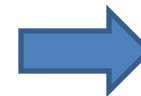
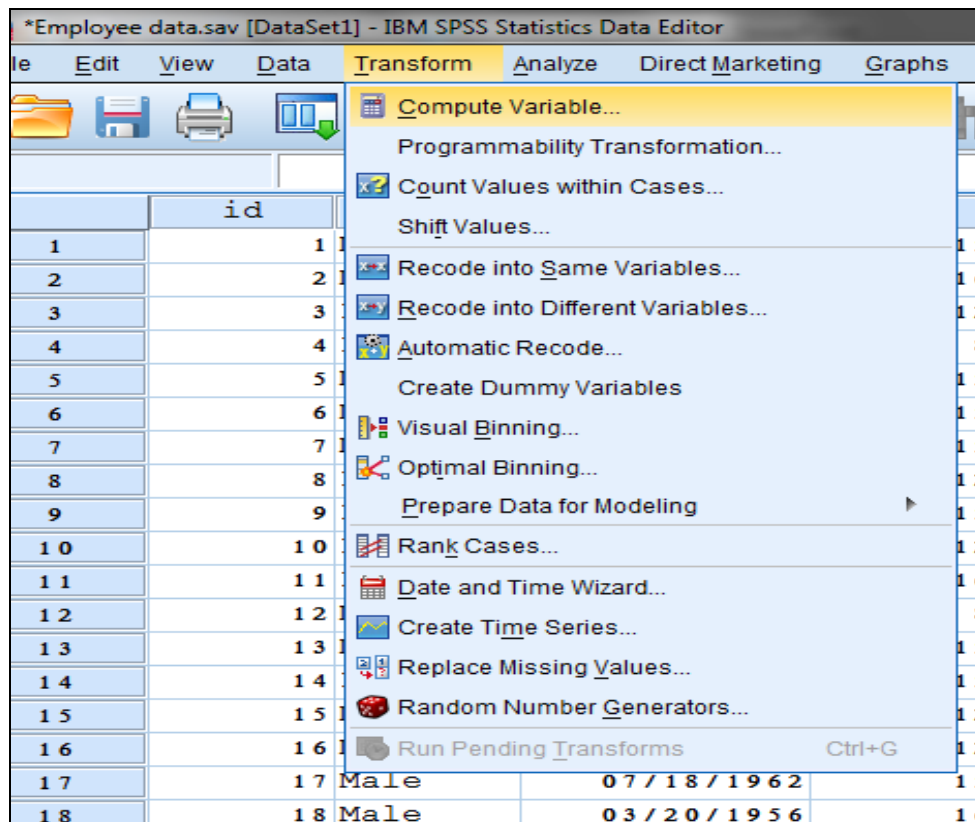
Function group:
All
Arithmetic
CDF & Noncentral CDF
Conversion
Current Date/Time
Date Arithmetic
Date Creation

Functions and Special Variables:

If... (optional case selection condition)

OK Paste Reset Cancel Help

- Obtain a new variable that compute the salary after adding 5% only for employee who his salary less than 20,000\$, and name it “new.salary2”



- (Continued)

Compute Variable

Target Variable: = Numeric Expression:

Type & Label...

Employee Code [id]
Gender [gender]
Date of Birth [bdate]
Educational Level (y...
Employment Categ...
Current Salary [salary]
Beginning Salary [s...
Months since Hire [j...
Previous Experienc...
Minority Classificati...

Function group:
All
Arithmetic
CDF & Noncentral CDF
Conversion
Current Date/Time
Date Arithmetic
Date Creation

Functions and Special Variables:

if... (optional case selection condition)

OK Paste Reset Cancel Help

Compute Variable: If Cases

☐ Include all cases
☒ Include if case satisfies condition:

Employee Code [id]
Gender [gender]
Date of Birth [bdate]
Educational Level (y...
Employment Categ...
Current Salary [salary]
Beginning Salary [s...
Months since Hire [j...
Previous Experienc...
Minority Classificati...

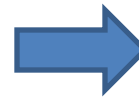
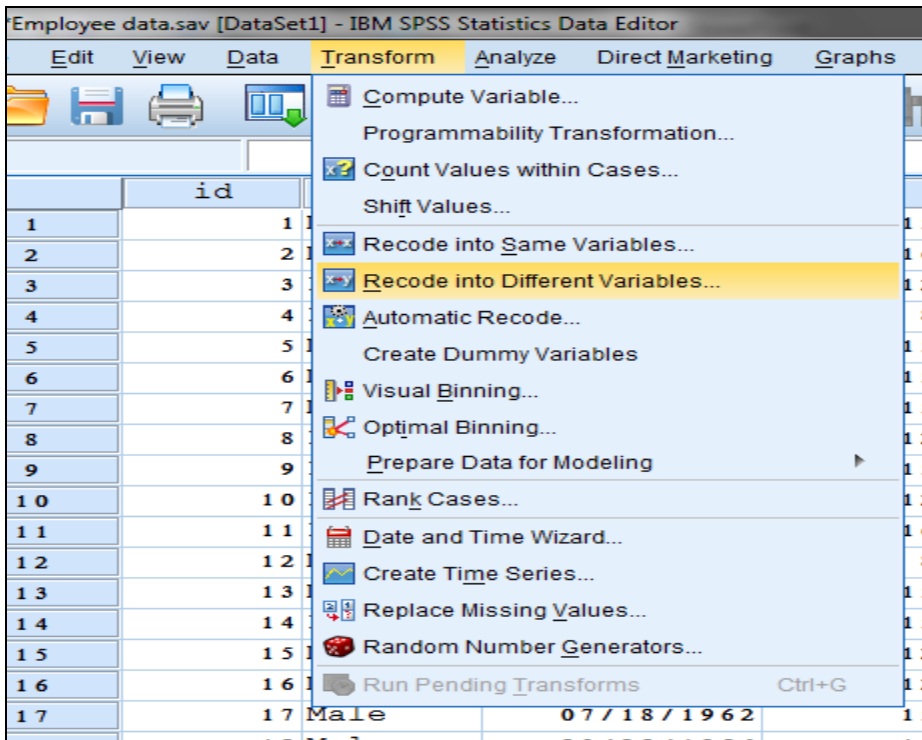
Function group:
All
Arithmetic
CDF & Noncentral CDF
Conversion
Current Date/Time
Date Arithmetic
Date Creation
Date Extraction

Functions and Special Variables:

Continue Cancel Help

- Obtain a new variable that recode the variable Salary to 3 codes:
1 $\text{Salary} < 20,000\$$
2 $20,000\$ \leq \text{Salary} \leq 40,000\$$
3 $\text{Salary} > 40,000\$$

And name it “Salary2”



- (Continued)

Step#1:

SPSS Recode into Different Variables dialog box.

Input Variable -> Output Variable:

Available Variables:

- Employee Code [id]
- Gender [gender]
- Date of Birth [bdate]
- Educational Level (y...)
- Employment Categ...
- Current Salary [s...]
- Beginning Salary [s...]
- Months since Hire [j...]
- Previous Experienc...
- Minority Classificati...

Output Variable:

Name:

Label:

Change

Old and New Values...

If... (optional case selection condition)

OK Paste Reset Cancel Help

SPSS Recode into Different Variables dialog box.

Numeric Variable -> Output Variable:

Available Variables:

- Employee Code [id]
- Gender [gender]
- Date of Birth [bdate]
- Educational Level (y...)
- Employment Categ...
- Beginning Salary [s...]
- Months since Hire [j...]
- Previous Experienc...
- Minority Classificati...

Output Variable:

Name:

Label:

Change

Old and New Values...

If... (optional case selection condition)

OK Paste Reset Cancel Help

- (Continued)

Step#2:

SPSS Recode into Different Variables dialog box (Initial state):

Numeric Variable -> Output Variable:

Input Variable: salary --> ?

Output Variable:

Name: salary1

Label:

Change

Old and New Values...

If... (optional case selection condition)

Buttons: OK, Paste, Reset, Cancel, Help

SPSS Recode into Different Variables dialog box (Final state):

Numeric Variable -> Output Variable:

Input Variable: salary --> salary1

Output Variable:

Name: salary1

Label:

Change

Old and New Values...

If... (optional case selection condition)

Buttons: OK, Paste, Reset, Cancel, Help

- (Continued)

Step#3:

Recode into Different Variables

Numeric Variable -> Output Variable:

salary -> salary1

Output Variable

Name: salary1

Label:

Change

Employee Code [id]
Gender [gender]
Date of Birth [bdate]
Educational Level (y...
Employment Categ...
Beginning Salary [s...
Months since Hire [j...
Previous Experienc...
Minority Classificati...

and New Values...

If... (optional case selection condition)

OK Paste Reset Cancel Help

Recode into Different Variables: Old and New Values

Old Value

☒ Value:

☐ System-missing

☐ System- or user-missing

☐ Range:

through

☐ Range, LOWEST through value:

☒ Range, value through HIGHEST:

☐ All other values

New Value

☒ Value:

☐ System-missing

☐ Copy old value(s)

Old -> New:

Lowest thru 19999 --> 1
20000 thru 40000 --> 2
40001 thru Highest --> 3

Add
Change
Remove

☐ Output variables are strings Width: 8

☐ Convert numeric strings to numbers ('5' -> 5)

Continue Cancel Help