HSCI 416 ○ Lab 2

Data manipulation I: IF, THEN, ELSE + creating new variables

Today's objectives

Manipulating data: slides & code

1. Subsetting data
2. Cleaning data
3. Creating new variables

If... then...else statements

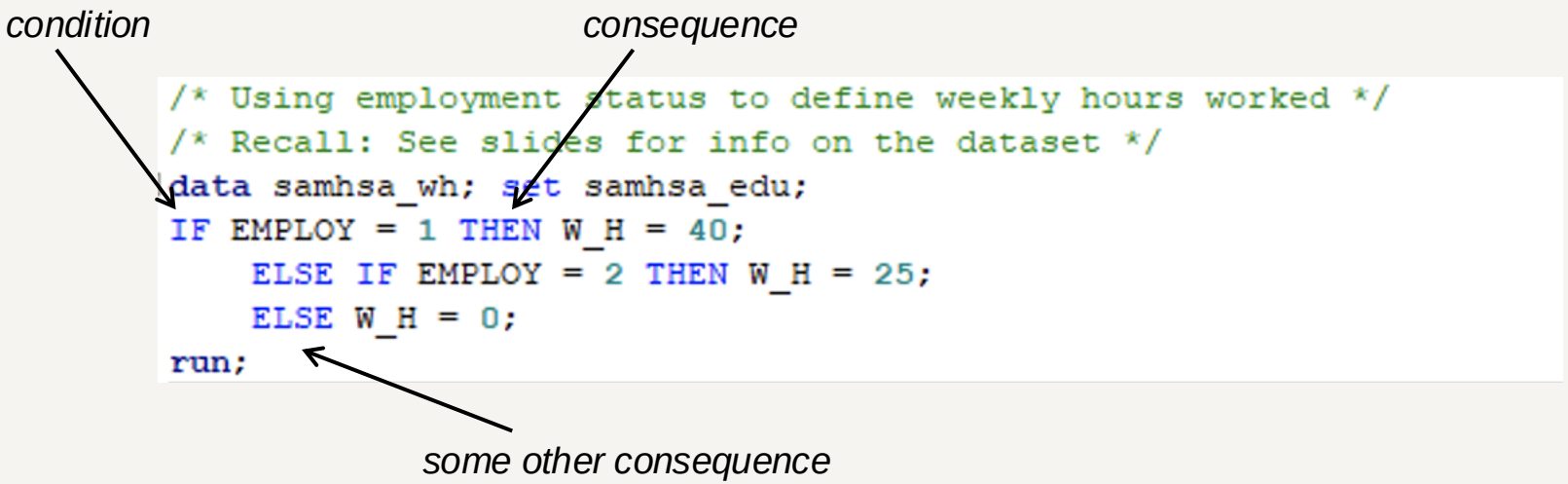
- Simple:

  if some condition(s) hold true then a consequence

- More complex:

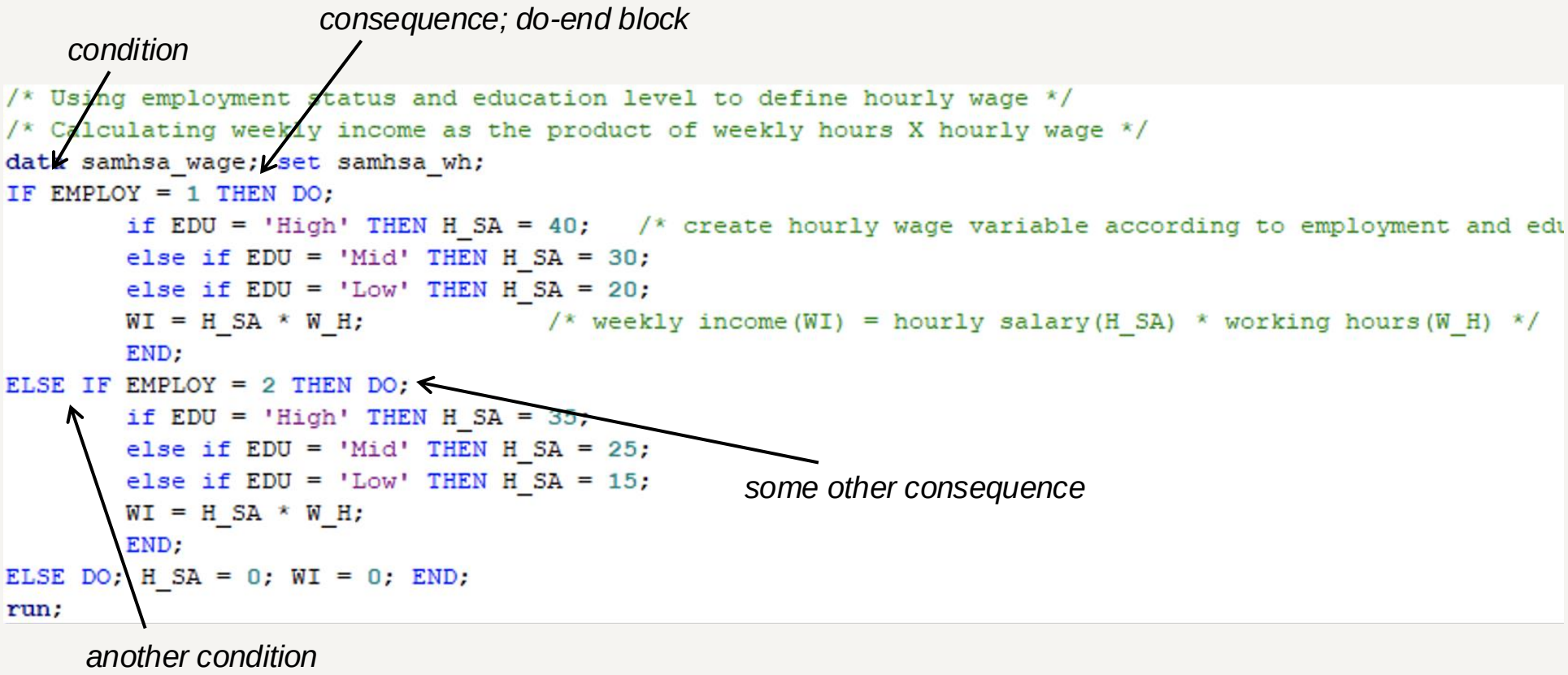
  if some condition(s) hold true then a consequence;

  else some other consequence;



If... then...else statements (cont'd)

- To execute more than one statement within the *then* or *else* clause, use a ***do-end*** block:



Supporting info for today's code

Education level	*EDU_L*	
EDU_L	*EDUC*	Category #
High	13-15	4
	16 OR MORE	5
Middle	12	3
Low	9-11	1
	8 YEARS OR LESS	2
Working hours/week	*W_H*	
W_H	*EMPLOY*	Category #
40	Full time	1
25	Part time	2
0	UNEMPLOYED	3
	NOT IN LABOR FORCE	4
Hourly salary	*H_SA*	
EMPLOY status	EDUC level	*H_SA*
Full time (1)	High (4-5)	$40
	Middle (3)	$30
	Low (1-2)	$20
Part time (2)	High (4-5)	$35
	Middle (3)	$25
	Low (1-2)	$15
Unemployed or not in labor force (3-4)	High (4-5)	$0
	Middle (3)	$0
	Low (1-2)	$0
Income level	*INC_L*	
INC_L	Weekly income (*WI*)	
H	>1000	
M	[500, 1000]	
L	<500	

Supporting info for today's code

- See provided "SAS_" files for more this and more!

Operators in Expressions

Operator	Meaning
= or eq	equal to
^= or ne	not equal to
> or gt	greater than
< or lt	less than
>= or ge	greater than or equal to
<= or le	less than or equal to
AND or &	and, both. If both expressions are true, then the compound expression is true.
OR or |	or, either. If neither expression is true, then the compound expression is true.
0	false
1	true
.	false