

Incrementing Across Cases with SAS ¹

It is possible to increment values across cases in SAS by specifying a variable and a plus sign with no equals sign. The following program and output demonstrates two examples of this.

The first example: `id+1` ; Initializes a variable IDVAR and increments it by 1 for each case.

The second example: `cumpayr + payroll` ; initialized a variable CUMPAYR and increments it by the value of the existing variable payroll for each case.

```
* incr.sas ;
title 'incr.sas, Showing how to increment across cases with SAS' ;

data ONE; input payroll ;
idvar+1 ;
cumpayr + payroll ;
label idvar = 'Id Variable' cumpayr = 'Cumulative Payroll' ;
datalines ;
100.00
600.00
200.00
300.00
400.00
100.00
600.00
200.00
600.00
400.00
;
proc print; proc means; run ;
```

incr.sas, Showing how to increment across cases with SAS

Obs	payroll	idvar	cumpayr
1	100	1	100
2	600	2	700
3	200	3	900
4	300	4	1200
5	400	5	1600
6	100	6	1700
7	600	7	2300
8	200	8	2500
9	600	9	3100
10	400	10	3500

The MEANS Procedure

Variable	Label	N	Mean	Std Dev	Minimum	Maximum
payroll		10	350.0000000	201.3840996	100.0000000	600.0000000
idvar	Id Variable	10	5.5000000	3.0276504	1.0000000	10.0000000
cumpayr	Cumulative Payroll	10	1760.00	1086.48	100.0000000	3500.00

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