



\square		arrav{ }	arrav{2}	arrav{3}	arrav{4}
	SAS: Arrays	rate2005	rate2006	rate2007	rate2008
	 All variables in one arr Variables specified wit array aname {dim} [§ array rate {4} rate20 array rate {4} rate20 array rate {4}; rate20 array rate {4}; ;*impl Dim(Dimension): how Can be implicit by usin \$len: type and length Omitted for numerica Array name{3} \$10.; elements: list of variable index: an integer point array {index} or array 	rate2005 ray must be o thin an array [len] eleme 005-rate2008 licit: rate1-ra many eleme ng * of variables I variables bles ter that iden [index]	rate2006 of the same do not need nts s; ; te4; ents when string: tifies the ele	rate2007 type d to already s	exist
BY NO SA	 rate2006 is indexed by 	y 2			













	Nested loops
	data test;
	do i=1 to 10;
	do j=1 to 5;
	output;
	end;
	end;
POPULATION	
BY NO SA	





























```
/********P1.7 Construct 3 new variables*********/
                     data dataout.brfss2017_8;
                     set dataout.brfss2017_7;
                     if insured = 0 and employed = 0 then empins=0;
                     if insured = 1 and employed = 1 then empins = 1;
                     if insured = 1 and employed = 0 then empins = 2;
                     if insured = 0 and employed = 1 then empine = 3;
                     if insured = . or employed = . then empins = .;
                     run;
                     data dataout.brfss2017_9;
                     set dataout.brfss2017_8;
                     if insured = 0 and greenvgg = 0 then insgreen= 0;
                     if insured = 1 and greenvgg = 1 then insgreen = 1;
                     if insured = 1 and greenvgg = 0 then insgreen= 2;
                     if insured = 0 and greenvgg = 1 then insgreen = 3;
                     run:
                     data dataout.brfss2017_10;
                     set dataout.brfss2017_9;
                     if employ1 = 1 or employ1 = 2 then employs= 1;
                     if employ1 = 3 or employ1 = 4 or employ1 = 5 or employ1 = 6 or employ1 = 7 or employ1 = 8 then employs=
0:
                     if employ1 = 9 or employ1 = . then employs= .;
                     run;
POPULATION
INFORMATICS
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```









	Can we improve?
	Add sort. Use By.
	PROC means data=data.CHR2019st_rev; vars n popratio:
	where g_pctrural=1 and g_medhhi>3;
	PROC means data=data.CHR2019st_rev;
	where g_pctrural=2 and g_medhhi>3;
	run; PROC means data=data.CHR2019st_rev;
	vars n_pcpratio; where g_pctrural=3 and g_medhhi>3;
	run; PROC means data=data.CHR2019st rev;
	vars n_pcpratio; where g nctrural=4 and g medbhi>3
	run;
INFORMATICS	