

**How do I create a PERSON YEAR file?**

A person-year file is one that, rather than having a single record of each person, has a record for each year the person was in the survey.

For example, below are a few lines of data from a file that has a single record for each respondent:

#of years	sex	time	prestige
4	2	2	1
3	1	6	4

Once this file is converted to a person-year file it will look like this >

#of years	sex	time	prestige
4	2	2	1
4	2	2	1
4	2	2	1
4	2	2	1
3	1	6	4
3	1	6	4
3	1	6	4

To do this in SAS you can use an array:

The do-loop creates and outputs a record for each person-year.

```
data rankyrs;
infile 'e:\rank.dat' ;
input dur event undgrad phdmed phdprest art1-art10 cit1-
cit10                                prest1
prest2 jobtime;
array arts(*) art1-art10;
array cits(*) cit1-cit10;
if jobtime= . then jobtime= 11 ;
do year= 1 to dur;
if year =dur and event= 1 then promo= 1 ;
else promo= 0 ;
if year ge jobtime then prestige=prest2;
else prestige=prest1;
articles=arts(year);
citation=cits(year);
output ;
end ;
run ;
```