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Assignment Third week

```
LIBNAME mydata "/courses/d1406ae5ba27fe300 " access=readonly;  
DATA new; set mydata.nesarc_pds;
```

```
/* Expressing variable in terms of male or female*/  
IF SEX=1 THEN RESPONDENTSEX="MALE ";  
ELSE IF SEX=2 THEN RESPONDENTSEX="FEMALE";
```

```
/* Expressing variables in terms of yes or no*/  
IF S1F9b=0 THEN EMPLOYIEDRESPONDENT="NO ";  
IF S1F9b=1 THEN EMPLOYIEDRESPONDENT="YES ";  
IF S1F9b=. THEN EMPLOYIEDRESPONDENT="NOTANSWERED";
```

```
/* Expressing variable in terms census*/  
if region=1 then census="Northeast";  
if region=2 then census="Midwest";
```

```
if region=3 then census="South";
```

```
if region=4 then census="West";
```

```
/* expressing variable in terms of health*/
```

```
if s1q16=1 then health="excellent";
```

```
else if s1q16=2 then health="verygood";
```

```
else if s1q16=3 then health="good ";
```

```
else if s1q16=4 then health="fair";
```

```
else if s1q16=5 then health="poor";
```

```
else if s1q16=9 then health="notsay";
```

```
/* expressing values in terms of wealth*/
```

```
if s1q11b LE 3 THEN WEALTH="LOWSALARY  ";
```

```
ELSE IF s1q11b GT 3 AND s1q11b LE 9 THEN WEALTH="AVERAGESALARY";
```

```
ELSE IF s1q11b GT 9 AND s1q11b LE 16 THEN WEALTH="GOODSALARY";
```

```
ELSE IF s1q11b GT 16 AND s1q11b LE 20 THEN WEALTH="EXCELLENTSALARY";
```

```
ELSE IF s1q11b = 21 THEN WEALTH="WOW!";
```

```
/* MIXING UP A BIT THE POPULATION*/
```

```
IF SEX=1 AND S1F9b=1 AND s1q16=1 THEN MOOD="HEALTHYMANWORKING";
```

```
IF SEX=2 AND S1F9b=1 AND s1q16=1 THEN MOOD="HEALTHYWOMANWORKING";
```

```
IF SEX=1 AND S1F9b=0 AND s1q16=1 THEN MOOD="HEALTHYMANSEEKING";
```

```
IF SEX=2 AND S1F9b=0 AND s1q16=1 THEN MOOD="HEALTHYWOMANSEEKING";
```

```
IF SEX=1 AND S1F9B=0 OR S1F9B=1 AND S1Q16 =2 THEN MOOD="MANGOODSHAPE";
```

```
IF SEX=2 AND S1F9B=0 OR S1F9B=1 AND S1Q16 =2 THEN MOOD="WOMANGOODSHAPE";
```

```
IF SEX=1 OR SEX=2 AND SIF9B=0 OR SIF9B=1 AND S1Q16 GE 3 THEN
```

```
MOOD="COULDBEBETTER";
```

```
/* SUBSETTING THE POPULATON JUST TO LESS THAN 40*/
```

```
IF AGE LE 40;
```

Proc sort; by idnum;

proc freq; tables AGE RESPONDENTSEX EMPLOYIEDRESPONDENT census health WEALTH
mood;

RUN;

I tried to manage the data in order to get less missing data as possible, by labelling them in other way or creating a dummy code to expressing them;

for the heath and job variable I elimnated the missing data by creating the dummy code notsay or not answered.

The wealth variable is a trial to make a quantivative variable a bit less quantitaive, by aggregating several amounts togheter.

Last, but no least, I created a new variable called MOOD that is a second variable because it created according to the results of the combination of variables SEX employment and health;

Hereby I attach the print screens of the distribution frequencies I got from running the program,

Making Data Manage... X NESARC Wave 1 Code Boo... X _ee015336908d8bf28e7281... X SAS OnDemand for Ac... X SAS Studio X Tumblr X + -

https://odamid.oda.sas.com/SASStudio/main?locale=it_IT&zone=GMT%252B02%253A00&https%3A%2

Cerca

SAS® Studio

SAS Programmer ? Disconnetti

File e cartelle del server

- odaomr.oda.sas.com
 - Collegamenti di cartelle
 - File (Home)
 - sasuser.v94
 - Assignment of the second week.sas
 - Assignment of the second week.sas
 - Assignment of the third week.sas
 - Module1Program-ANOV
 - Module2Program-chi2.s
 - Proc sort gapminder.sas
- Processi
- Frammenti di codice
- Librerie
- Collegamenti di file

Assignment of the third week.sas

CODICE LOG RISULTATI DATI DI OUTPUT

RESPONDENT SEX Frequenza Percentuale Frequenza cumulativa Percentuale cumulativa

FEMALE	10516	56.54	10516	56.54
MALE	8084	43.46	18600	100.00

EMPLOYIEDRESPONDENT Frequenza Percentuale Frequenza cumulativa Percentuale cumulativa

NO	16521	88.82	16521	88.82
NOTANSWERED	1836	9.87	18357	98.69
YES	243	1.31	18600	100.00

census Frequenza Percentuale Frequenza cumulativa Percentuale cumulativa

Midwest	3802	20.44	3802	20.44
Northeast	3366	18.10	7168	38.54
South	6862	36.89	14030	75.43
West	4570	24.57	18600	100.00

Utente: marcorobbiano010

Cerca in Windows

22.29 08/05/2016

SAS Studio interface showing the results of a SAS program. The browser address bar indicates the URL: https://odamid.oda.sas.com/SASStudio/main?locale=it_IT&zzone=GMT%252B02%253A00&https%3A%2.

The left sidebar shows the file structure under "File e cartelle del server". The main window displays the results of the program "Assignment of the thrid week.sas".

The results are organized into two tables, each with columns: **CODICE**, **LOG**, **RISULTATI**, and **DATI DI OUTPUT**.

Table 1: Health Status Results

health	Frequenza	Percentuale	Frequenza cumulativa	Percentuale cumulativa
excellent	7223	38.83	7223	38.83
fair	1154	6.20	8377	45.04
good	3853	20.72	12230	65.75
notsay	111	0.60	12341	66.35
poor	271	1.46	12612	67.81
verygood	5988	32.19	18600	100.00

Table 2: Wealth Status Results

WEALTH	Frequenza	Percentuale	Frequenza cumulativa	Percentuale cumulativa
AVERAGESALARY	7073	38.03	7073	38.03
EXCELLENTSALAR	1227	6.60	8300	44.62
GOODSALARY	7945	42.72	16245	87.34
LOWSALARY	2152	11.57	18397	98.91
WOW!	203	1.09	18600	100.00

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SAS® Studio SAS Programmer Disconnetti

File e cartelle del server

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 - File (Home)
 - sasuser.v94
 - Assignment of the second week.sas
 - Assignment of the third week.sas
 - Assignment of the third week.sas
 - Module1Program-ANOV...
 - Module2Program-chi2.s...
 - Proc sort gapminder.sas
- Processi
- Frammenti di codice
- Librerie
- Collegamenti di file

Assignment of the third week.sas

CODICE	LOG	RISULTATI	DATI DI OUTPUT
WEALTH	Frequenza	Percentuale	Frequenza cumulativa
AVERAGESALARY	7073	38.03	7073
EXCELLENTSALAR	1227	6.60	8300
GOODSALARY	7945	42.72	16245
LOWSALARY	2152	11.57	18397
WOW!	203	1.09	18600
MOOD	Frequenza	Percentuale	Frequenza cumulativa
COULDBEBETTER	8084	47.40	8084
HEALTYWOMANWORKI	35	0.21	8119
WOMANGOODSHAPE	8935	52.39	17054
Frequenza mancanti = 1546			

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SAS® Studio

File e cartelle del server

- odaomr.oda.sas.com
 - Collegamenti di cartelle
 - File (Home)
 - sasuser.v94
 - Assignment of the second week.sas
 - Assignment of the second week.sas
 - Assignment of the thrid week.sas
 - Module1Program-ANOV
 - Module2Program-chi2.s
 - Proc sort gapminder.sas

Processi

Frammenti di codice

Librerie

Collegamenti di file

Assignment of the thrid week.sas

CODICE	LOG	RISULTATI	DATI DI OUTPUT
25	639	3.44	5838
26	628	3.38	6466
27	702	3.77	7168
28	721	3.88	7889
29	777	4.18	8666
30	869	4.67	9535
31	861	4.63	10396
32	873	4.69	11269
33	846	4.55	12115
34	843	4.53	12958
35	861	4.63	13819
36	885	4.76	14704
37	991	5.33	15695
38	989	5.32	16684
39	924	4.97	17608
40	992	5.33	18600

Utente: marcorobbiano010

SAS Studio interface showing the results of a PROC FREQ procedure. The left pane displays the file structure, and the right pane shows the output table.

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Assignment of the third week.sas

CODICE | LOG | **RISULTATI** | DATI DI OUTPUT

La procedura FREQ

AGE	Frequenza	Percentuale	Frequenza cumulativa	Percentuale cumulativa
18	746	4.01	746	4.01
19	722	3.88	1468	7.89
20	715	3.84	2183	11.74
21	748	4.02	2931	15.76
22	734	3.95	3665	19.70
23	731	3.93	4396	23.63
24	803	4.32	5199	27.95
25	639	3.44	5838	31.39
26	628	3.38	6466	34.76
27	702	3.77	7168	38.54
28	721	3.88	7889	42.41
29	777	4.18	8666	46.59
30	869	4.67	9535	51.26
31	861	4.63	10396	55.89

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08/05/2016

May 8th, 2016