# SAS Program to find frequency distribution

Assignment #2 - Writing your first SAS program.

My first SAS program is written to find the frequency distribution of the variables relating to decision making ability of an adult in relation to the fact if they were allowed to decide on what to wear as an adolescent. 'AddHealth' code book is used the project.

AddHealth rows on which H1WP3 = 0 (the adolescent is not allowed to make decision what to wear) are only included for the frequency distribution analysis in the first program. So the result number will show how the kids (who were not not allowed make decision on what to wear) approach the problems. The variables H1PF14 (Avoid Problems), H1PF15(Difficult problems cause upset), H1PF16(Skip thinking consequences) are studied.

The screen shots of the SAS program written on SAS studio and the results of the program are presented as a screen shots below:

SAS Program
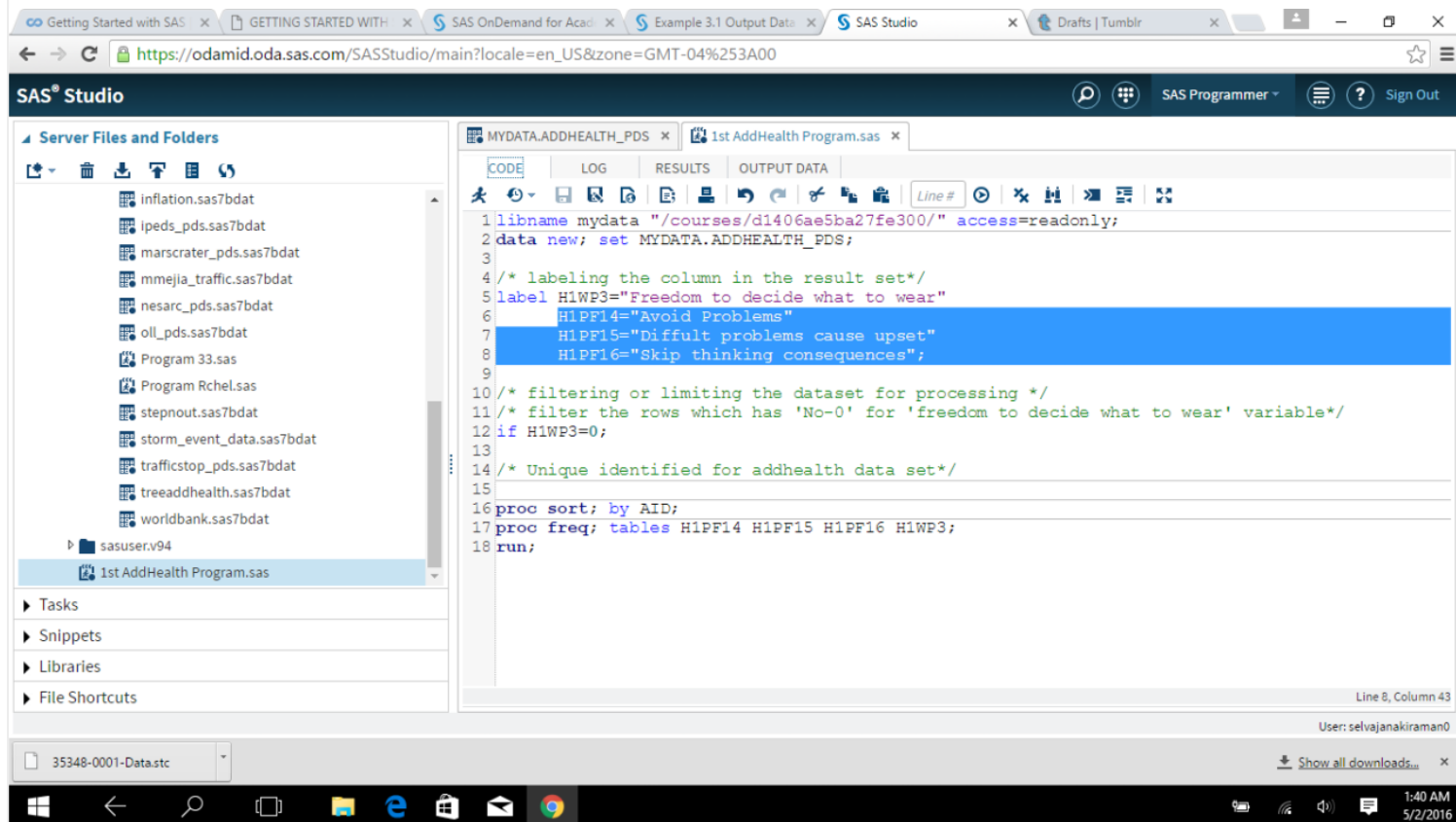
RESULTS

SAS® Studio

SAS Programmer ▾   Sign Out

Server Files and Folders

- inflation.sas7bdat
- ipeds_pds.sas7bdat
- marscrater_pds.sas7bdat
- mmejia_traffic.sas7bdat
- nesarc_pds.sas7bdat
- oll_pds.sas7bdat
- Program 33.sas
- Program Rchel.sas
- stepnout.sas7bdat
- storm_event_data.sas7bdat
- trafficstop_pds.sas7bdat
- treeaddhealth.sas7bdat
- worldbank.sas7bdat
- ▷ sasuser.v94
- 1st AddHealth Program.sas

▶ Tasks
▶ Snippets
▶ Libraries
▶ File Shortcuts

MYDATA.ADDHEALTH_PDS ×   1st AddHealth Program.sas ×

CODE   LOG   RESULTS   OUTPUT DATA

The FREQ Procedure

Avoid Problems

H1PF14	Frequency	Percent	Cumulative Frequency	Cumulative Percent
1	73	12.23	73	12.23
2	214	35.85	287	48.07
3	146	24.46	433	72.53
4	136	22.78	569	95.31
5	21	3.52	590	98.83
6	1	0.17	591	98.99
8	6	1.01	597	100.00

Diffult problems cause upset

H1PF15	Frequency	Percent	Cumulative Frequency	Cumulative Percent
1	112	18.76	112	18.76
2	281	47.07	393	65.83
3	97	16.25	490	82.08
4	86	14.41	576	96.48
5	18	3.02	594	99.50
8	3	0.50	597	100.00

Skip thinking consequences

User: selvajanakiraman0

35348-0001-Data.stc

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Server Files and Folders

- inflation.sas7bdat
- ipeds_pds.sas7bdat
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MYDATA.ADDHEALTH_PDS ✕   1st AddHealth Program.sas ✕

CODE   LOG   RESULTS   OUTPUT DATA

| | 8 | 6 | 1.01 | 597 | 100.00 |

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4	86	14.41	576	96.48
5	18	3.02	594	99.50
8	3	0.50	597	100.00

Skip thinking consequences

H1PF16	Frequency	Percent	Cumulative Frequency	Cumulative Percent
1	68	11.39	68	11.39
2	207	34.67	275	46.06
3	113	18.93	388	64.99
4	159	26.63	547	91.62
5	41	6.87	588	98.49
6	1	0.17	589	98.66
8	8	1.34	597	100.00

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The FREQ Procedure

Freedom to decide what to wear

H1WP3	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	597	100.00	597	100.00

Cumulative frequencies of the variables tallies the frequency of the variable used in the data filter criteria.

Looking the frequencies for the first question, 12.23%(strongly agree) + 35.85% (agree) of the kids who were not allowed to decide what to wear ended up avoiding problems.

For the second question, 'difficult problems cause upset' 18.76%(strongly agree) + 47.07% (agree) of the kids.

For the third question, skip thinking consequences is syndrome in 11.39% (strongly agree) + 34.67% (agree) kids who were not allowed to decide what to wear as an adolescent.

24.46%, 16.25% and 18.93% neither agreed nor disagreed with respect to first, second and third questions.

Strongly agree frequency percentages are 3.52%, 3.02%, and 6.87% for first, second and third questions.

About 0.17% skipped the first and the third questions, none skipped the second question.

May 2nd, 2016