

Subsetting Cases

Objective

The preparation of working files containing a subset of cases and variables is a practical way to distribute data to patrons and to use computing resources most efficiently. The ability to create a subset is dependent upon knowing how to select values within variables and how to combine variables to achieve the desired grouping of cases.

Instructions

Ten cases from the 1986 Canadian General Social Survey have been chosen to define case subsets (see page 3.7 for the worksheet to use with this exercise.) Five rules have been provided on the worksheet for this assignment that express the conditions for case selection. Complete the assignment by following these steps:

1. Identify the names of the variables for each of the five rule-statements in the data documentation accompanying this exercise (pp. 3.2-3.6.) For example, if the rule calls for the selection of all females, find the variable name for the sex of the respondent.
2. Determine the value or values of each variable specified in the rule-statement. For example, if the rule calls for only males, see what code identifies males. It may be the value 1, for instance.
3. Having identified the variables and values for conducting the subset for a specific rule, work your way down the ten cases (row by row) determining for each case whether it meets that rule's criteria for selection. If a case **does** meet the criteria, place a check mark on the row of that case under the rule that applies. For example, if the rule specified the selection of only males, the variable DVSEX would be searched for all cases with the value 1. Check marks would be placed beside cases 5 and 6.

General Social Survey 1986, Cycle 2 [Canada] Data Dictionary: Time Use Summary File

Field	Acronym	Length	Position	Variable Descriptions
[A number of fields have been omitted from the original documentation for this exercise]				
5	DURAC_01- DURAC_99	396	012-407	Total duration for each activity. 0000:1440 minutes. DURAC_01 -- Work for Pay DURAC_20 -- Baby Care DURAC_21 -- Child Care
12	DVSEX	01	687	Derived variable - Sex of respondent 1 Male [4462] 2 Female [5484]
26	DVAGE1	01	740	Derived variable - age groups of respondent. 1 15 - 24 years [1776] 2 25 - 34 years [2708] 3 35 - 44 years [1862] 4 45 - 54 years [1016] 5 55 - 64 years [1119] 6 65 years and over [1465]
28	DVLANG	01	742	Derived variable - Main Language 1 English or English and other [7054] 2 French or French and other [2325] 3 English and French [171] 4 Other [321] 9 Not stated [75]
30	DVTOTINC	06	744-749	Derived variable - Total income of respondent from salary, government and interest within last 12 months. 000000:060000 888888 Don't know 999999 Not stated
31	DVEDR	02	750-751	Derived variable - Respondent's Education 1 No schooling [64] 2 Grade 8 or less [1503] 3 Grades 9 - 10 [1382] 4 Grades 11-13 Secondary graduate [1597] 5 Some community college, CEGEP or nursing school [844] 6 Diploma or certificate from commercial college, CEGEP or nursing school. [1242] 7 Some university [709] 8 Bachelor or undergraduate degree or teacher's college [890] 9 Master's or earned doctorate [228] 10 Other [617]

				11 Grades 11-13 not high school graduate [727]
				98 Not stated 05-10 [35]
				99 Not stated [108]
34	DVCHILD	01	754	Derived variable - Number of respondent's children living at home.
				1 No children under 19 at home [6397]
				2 All children under 5 [861]
				3 All children >= 5 and <= 12 [914]
				4 All children over 12 [622]
				5 At least one child under 5 (but not all) [678]
				6 Other [474]
35	HOUSEINC3	02	755-756	Total household income
				1 Less than \$5,000 [200]
				2 \$5,000 and <\$10,000 [949]
				3 \$10,000 and <\$15,000 [1081]
				4 \$15,000 and <\$20,000 [992]
				5 \$20,000 and <\$30,000 [1477]
				6 \$30,000 and <\$40,000 [1612]
				7 \$40,000 and <\$60,000 [1392]
				8 \$60,000 and more [741]
				9 No income [29]
				88 Don't know [969]
				99 Not stated [504]
38	HAPPY_E1	01	760	How happy
				1 Very happy [4928]
				2 Somewhat happy [4297]
				3 Somewhat unhappy [446]
				4 Very unhappy [96]
				5 No opinion [48]
				9 Not stated [131]

DAILY ACTIVITIES CODE LIST

The time use portion of the GSS Cycle 2 was collected by asking respondents to report their daily activities during the course of a 24 hour reference day starting at 4:00 in the morning. While multiple activities may be done simultaneously, the scope of the survey only allowed for the collection of data on one activity – the main activity as determined by the respondent.

The activities reported by respondents were coded in 95 individual groups and these groups were then categorized into the following 10 major activity groups:

1. Employed Work
2. Domestic Work
3. Care of Children
4. Shopping and Services
5. Personal Care
6. School and Education
7. Organizational, Voluntary and Religious Activity
8. Entertainment (Attending)
9. Sports and Hobbies (Participating)
10. Media and Communication

Activity Codes

Employed Work

- | | |
|----|---|
| 01 | Work for Pay |
| 02 | Extra to Work/Overtime/Looking for Work |
| 03 | Travel During Work |
| 04 | Waiting, Delays at Work |
| 05 | Meals-Snacks at Work |
| 06 | Idle Time Before or After Work |
| 07 | Coffee, Other Breaks |
| 08 | Uncodeable Work Activities |
| 09 | Travel: To-From Work |

Domestic Work

- | | |
|----|---------------------------------------|
| 10 | Meal Preparation |
| 11 | Meal Clean-up (Dishes/Clearing Table) |
| 12 | Indoor Cleaning (Dusting/Vacuuming) |
| 13 | Outdoor Cleaning (Sidewalks/Garbage) |
| 14 | Laundry, Ironing, Folding |
| 15 | Mending |
| 16 | Home Repairs, Maintenance |
| 17 | Gardening, Pet Care |
| 18 | Other Uncodeable Housework (Bills) |
| 19 | Travel: Domestic |

Care of Children

- | | |
|----|--|
| 20 | Baby Care |
| 21 | Child Care |
| 22 | Helping Teaching, Reprimanding Children |
| 23 | Reading, Talking, Conversation with Children |
| 24 | Play with Children |
| 25 | Medical Care - Child |
| 28 | Other Child Care (Unpaid babysitting) |
| 29 | Travel: Child Care |

Shopping and Services

- | | |
|----|---|
| 30 | Everyday Shopping (Food, Clothing, Gas) |
| 31 | Shopping for Durable Household Goods (House, Car) |
| 32 | Personal Care Services (Hairdresser) |
| 33 | Government and Financial Services |
| 34 | Adult Medical & Dental Care (Outside Home) |

- 35 Other Professional Services (Lawyer)
- 36 Repair Services (Cleaning, Auto, Appliance)
- 37 Waiting, Queuing for Purchase
- 38 Other Uncodeable Services
- 39 Travel: Goods or Services

Personal Care

- 40 Washing, Dressing, Packing
- 41 Adult Medical Care (At Home)
- 42 Help and Personal Care to Adults
- 43 Meals at Home /Snacks/ Coffee
- 44 Restaurant Meals
- 45 Night Sleep /Essential Sleep
- 46 Incidental Sleep, Naps
- 47 Relaxing, Thinking, Resting
- 48 Other Personal Care or Private Activities
- 49 Travel: Personal

School and Education

- 50 Full-time Classes
- 51 Other Classes - Part-time
- 52 Special Lectures: Occasional
- 53 Homework: Course, Career, Self-Development
- 54 Meals-Snacks, Coffee at School
- 55 Breaks or Waiting for Class to Begin
- 56 Leisure and Special Interest Classes
- 57 ---
- 58 Other Uncodeable Study
- 59 Travel: Education

Organizational, Voluntary and Religious Activity

- 60 Professional, Union, General
- 61 Political, Civic Activity
- 62 Child, Youth, Family Organization
- 63 Religious Meetings, Organizations
- 64 Religious Services/Prayer/Read Bible
- 65 Fraternal, Social Organizations
- 66 Volunteer Work, Helping
- 67 ---
- 68 Other Uncodeable Organizations
- 69 Travel: Organizations

Entertainment (Attending)

- 70 Sports Events
- 71 Pop Music, Fairs, Concerts
- 72 Movies, Films
- 73 Opera, Ballet, Drama
- 74 Museums and Art Galleries
- 75 Visits, Entertaining Friends/Relatives
- 76 Socializing at Bars, Clubs
- 77 ---
- 78 Other Social Gatherings
- 79 Travel: Entertainment

Sports & Hobbies (Participation)

- 80 Sports, Physical Exercise, Coaching
- 81 Hunt, Fish, Camp

82	Walk, Hike
83	Hobbies
84	Domestic Home Crafts
85	Music, Theatre, Dance
86	Games, Cards, Arcade
87	Pleasure Drives, Sightseeing
88	Other Uncodeable Sport or Active Leisure
89	Travel: Sports, Hobbies

Media and Communication

90	Radio
91	Television, Rented Movies
92	Records, Tapes, Listening
93	Reading Books, Magazines
94	Reading Newspapers
95	Talking, Conversation, Phone
96	Letters and Mail
98	Other Uncodeable (Media or Communication)
99	Travel: Media or Communication

Residual Codes

26	Missing Time (Gaps)
27	Refusal
97	Activity Not Stated

Worksheet for Homework Assignment 3

					H A P P Y _ E N C	D V O T E N C	H O U S E H O L D I N G	D U R A T I O N I N G	D U R A T I O N I N G	D U R A T I O N I N G		E X A M P L E	R U L E 1	R U L E 2	R U L E 3	R U L E 4	R U L E 5
C	D	D	D	D	1	0	7	3	0	0	55						
A	V	A	L	V	1	6000	3	1	0	0	0						
S	S	G	A	E	2	1758	5	6	0	0	200						
E	E	E	N	D	4	8400	2	3	0	0	90						
#	X	1	G	R	1	50800	7	3	330	0	30	✓					
1	2	3	1	6	1	0	7	3	0	0	55						
2	2	6	2	2	1	6000	3	1	0	0	0						
3	2	3	1	5	2	1758	5	6	0	0	200						
4	2	3	2	5	4	8400	2	3	0	0	90						
5	1	2	1	8	1	50800	7	3	330	0	30	✓					
6	1	2	1	10	1	888888	88	2	0	0	0	✓					
7	2	5	1	4	5	5796	3	1	0	0	0						
8	2	2	1	10	1	888888	5	5	420	0	15						
9	2	4	2	2	2	10000	4	2	0	120	0						
10	2	2	1	5	1	999999	7	2	0	0	80						

Example Rule: All respondents who are male.

Rule 1: All respondents whose primary language is French.

Rule 2: All females between the ages of 25 and 34.

Rule 3: All respondents who are somewhat to very happy, worked more than 5 hours that day, and reported an income for herself or himself.

Rule 4: All respondents who have some education beyond secondary school and who personally reported an income greater than \$40,000 or whose household income is greater than \$40,000.

Rule 5: All respondents with children at home and who spend 30 or more minutes a day on baby or child care.