

Chapter 2: Data Sets

Practice Problem Answers

1.
 - a. rows
 - b. columns
2.
 - a. variable view
 - b. variable view
 - c. variable view
 - d. data view
 - e. data view
3. a variable name
4.
 - a. not legitimate
 - b. not legitimate
 - c. not legitimate
 - d. legitimate
5. Numeric variable values may only contain numbers, decimal points, and positive or negative signs. String variable values may contain any characters including spaces.
6.
 - a. 432000
 - b. .0432
 - c. -987000000
 - d. -.00987
7. scale
8.
 - a. nominal
 - b. ordinal
 - c. scale (interval/ratio)
9.
 - a. a smart choice because it is numeric but outside the valid range of the variable
 - b. not a smart choice because it is a possible valid value for the variable
 - c. not a smart choice because it is not a numeric value
 - d. not a smart choice because a cell might be left blank for other reasons

10.
 - a. Variable View
 - b. Display Data File Information or Variable View
 - c. Options (General tab)
 - d. Options (Output Labels tab)
 - e. Help | Topics | Index

11.

Frequencies

Statistics

GROUP

N	Valid	1258
	Missing	0

GROUP

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 1980 GSS young adults	327	26.0	26.0	26.0
	2 1980 GSS middle-age adults	212	16.9	16.9	42.8
	3 2010 GSS young adults	341	27.1	27.1	70.0
	4 2010 GSS middle-age adults	378	30.0	30.0	100.0
	Total	1258	100.0	100.0	

12. (Student output should resemble the *Display Data File Information* output and Data View printout that appears in the problem. The Data View printout should contain a sixth line containing the student's stats.)

13. (Answers will vary.)

Variable Information

Variable	Position	Label	Measurement Level	Role	Column Width	Alignment	Print Format	Write Format	Missing Values
PRESIDENT	1	<none>	Nominal	None	22	Left	A22	A22	
INAUGURATED1ST	2	Year the Person Was First Inaugurated	Scale	None	14	Right	F8	F8	
TOTALYEARS	3	Total Number of Years Served as President	Scale	None	10	Right	F8	F8	-1
PARTY	4	<none>	Scale	None	8	Right	F8	F8	
PRIOROFFICE	5	Last Elected Office before Becoming President	Nominal	None	11	Right	F8	F8	
POPULAR1ST	6	% of Popular Vote in 1st Successful Presidential Election	Scale	None	12	Right	F8.1	F8.1	-1.0

Variables in the working file

Variable Values

Value		Label
TOTALYEARS	-1 ^a	still in office
PARTY	0	Democrat
	1	Republican
PRIOROFFICE	0	none
	1	senator
	2	vice-president
	3	govenor
POPULAR1ST	-1.0 ^a	no election won

a. Missing value

	PRESIDENT	INAUGURATED1ST	TOTALYEARS	PARTY	PRIOROFFICE	POPULAR1ST
1	Dwight D. Eisenhower	1953	8	1	0	55.4
2	John F. Kennedy	1961	2	0	1	50.1
3	Lyndon B. Johnson	1963	6	0	2	61.3
4	Richard M. Nixon	1969	5	1	2	43.6
5	Gerald R. Ford	1974	3	1	2	-1.0
6	James E. Carter	1977	4	0	3	51.1
7	Ronald W. Reagan	1981	8	1	3	51.6
8	George H. Bush	1989	4	1	2	53.9
9	William J. Clinton	1993	8	0	3	43.3
10	George W. Bush	2001	8	1	3	49.7
11	Barack H. Obama	2009	-1	0	1	52.9

14. (Answers will vary.)

Variable Information

Variable	Position	Label	Measurement Level	Role	Column Width	Alignment	Print Format	Write Format	Missing Values
TITLE	1	<none>	Nominal	None	20	Left	A20	A20	
NETWORK	2	<none>	Nominal	None	8	Right	F8	F8	
TYPE	3	type of show	Nominal	None	8	Right	F8	F8	
STARTED	4	year first episode aired	Scale	None	8	Right	F8	F8	-1
SEASONS	5	number of seasons with original title	Scale	None	8	Right	F8	F8	-1

Variables in the working file

Variable Values

Value		Label
NETWORK	1	CBS
	2	NBC
	3	ABC
	4	HBO
TYPE	1	situation comedy
	2	drama
STARTED	-1 ^a	debated
SEASONS	-1 ^a	debated

a. Missing value

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	TITLE	NETWORK	TYPE	STARTED	SEASONS	
1	Seinfeld	2	1	1989	9	
2	I Love Lucy	1	1	1951	6	
3	The Honeymooners	1	1	-1	-1	
4	All in the Family	1	1	1971	8	
5	The Sopranos	4	2	1999	6	
6						