

The data set shown in Figure 2.3 represents 30 responses from a questionnaire concerning the president's environmental policies. (See the file [Questionnaire Data.xlsx](#).) Identify the variables and observations.

Figure 2.3

Environmental
Survey Data

	A	B	C	D	E	F	G
1	Person	Age	Gender	State	Children	Salary	Opinion
2	1	35	Male	Minnesota	1	\$65,400	5
3	2	61	Female	Texas	2	\$62,000	1
4	3	35	Male	Ohio	0	\$63,200	3
5	4	37	Male	Florida	2	\$52,000	5
6	5	32	Female	California	3	\$81,400	1
7	6	33	Female	New York	3	\$46,300	5
8	7	65	Female	Minnesota	2	\$49,600	1
9	8	45	Male	New York	1	\$45,900	5
10	9	40	Male	Texas	3	\$47,700	4
11	10	32	Female	Texas	1	\$59,900	4
12	11	57	Male	New York	1	\$48,100	4
13	12	38	Female	Virginia	0	\$58,100	3
14	13	37	Female	Illinois	2	\$56,000	1
15	14	42	Female	Virginia	2	\$53,400	1
16	15	38	Female	New York	2	\$39,000	2
17	16	48	Male	Michigan	1	\$61,500	2
18	17	40	Male	Ohio	0	\$37,700	1
19	18	57	Female	Michigan	2	\$36,700	4
20	19	44	Male	Florida	2	\$45,200	3
21	20	40	Male	Michigan	0	\$59,000	4
22	21	21	Female	Minnesota	2	\$54,300	2
23	22	49	Male	New York	1	\$62,100	4
24	23	34	Male	New York	0	\$78,000	3
25	24	49	Male	Arizona	0	\$43,200	5
26	25	40	Male	Arizona	1	\$44,500	3
27	26	38	Male	Ohio	1	\$43,300	1
28	27	27	Male	Illinois	3	\$45,400	2
29	28	63	Male	Michigan	2	\$53,900	1
30	29	52	Male	California	1	\$44,100	3
31	30	48	Female	New York	2	\$31,000	4

Objective To illustrate variables and observations in a typical data set.

Solution

This data set provides observations on 30 people who responded to the questionnaire. Each observation lists the person's age, gender, state of residence, number of children, annual salary, and opinion of the president's environmental policies. These six pieces of