

Exercise 5-1

The planning director in the agency where you are employed wants to know the average daily patient loads at 24 public mental health clinics for the year 1999 in the state. The relevant data are identified below.

Generate a table which provides the information the director needs.

Clinic	Average Number of Patients	Clinic	Average Number of Patients	Clinic	Average Number of Patients
1	55	9	159	17	101
2	300	10	60	18	136
3	210	11	163	19	222
4	150	12	189	20	93
5	155	13	301	21	382
6	347	14	215	22	273
7	210	15	260	23	173
8	182	16	112	24	122

Exercise 5-2

A citizens' committee on which you serve has responsibility for operating a personal crisis line. To ensure that enough volunteers are on duty to answer the phone, it is necessary to know at what time and on which days calls are made. From the data below, collected over a six-month period, construct two frequency distributions, one showing the distribution of calls by day, the other by time of day.

Time	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
12-4 am	42	51	100	42	21	36	77
4-8 am	55	36	61	29	19	42	52
8-12 am	100	72	121	49	45	55	89
12-4 pm	259	65	96	77	100	71	152
4-8 pm	203	99	132	113	123	111	141
8-12 pm	230	200	177	156	176	166	301

Exercise 5-4

Graph or chart each of the following, making sure that each is correctly labeled and titled:

- a. percent poverty in Bevo City, Colorado from 1990 to 1999 among whites, African Americans, and Latinos:

	White	African American	Latino
1990	7	17	25
1991	6	18	26
1992	8	17	27
1993	7	15	25
1994	6	16	24
1995	4	16	23
1996	4	12	24
1997	3	11	26
1998	3	10	28
1999	2	9	26

- b. City expenditures in Dizzy City, Florida, 1998. Streets and highways, 20 percent; Other public works, 5 percent; Libraries, 10 percent; Parks, 15 percent; Health and welfare, 5 percent; General administration, 5 percent; Police, 25 percent; Fire, 15 percent.
- c. Average daily detained population in Crimoville, Missouri, 1998. City Jail: 75 African Americans, 200 whites; juvenile detention facilities: 300 African Americans, 250 whites; involuntary detoxification center: 10 African Americans, 15 whites.