throughout a field of oats (there were six boards for each color). Here are the Which color attracts beetles best? An experiment looked at the number of beetles trapped on sticky boards of identical size but various colors placed

59 48 46	21 12 14 17	37 32 20 29	16 11 20 21	Board color Insects trapped
38	13	37	14	124
47	20	32	7	-

10ch 4 Side-by-Side boxplots

comparing the number of beetles trapped per board for each color (blue, green, white, and yellow).

(b) Briefly compare the four distributions. What are the major differences? Which color or colors seem to attract beetles best?

(5) for each group. Were these measures to (C) Compute the mean (\overline{x}) and standard deviation (S) Based on these data, can we conclude that the average stress score for all male compare the four groups.

similar study in the United States resulted in a sample mean of 29.2 pounds of 12.74 kilograms with a sample standard deviation of 1.60 kilograms. A A study of weights of 2-year-old girls in Great Britain yielded a sample mean with a sample standard deviation of 2 pounds. Find the coefficient of variation for each group. Which group exhibits greater variability?

> are to be compared. These data are obtained: (Based on data reported in Earl Burch, means of the Hamilton anxiety score. These scores fall on a scale from 1 to 25 with pinpoint variables that contribute to stress in these patients. Stress is measured by 18 denoting moderate stress and 25 denoting severe stress. Two groups of patients A study of male cardiac clinic patients is conducted. The purpose of the study is to

Surar	Living alone			Livin	Living with others	hers	
9 QV	9.0	93	9.6	13.2	15.4	17.5	18.5
Š	50	<u>ئ</u>	ەە دىيا	14.7	16.9	140	1 1 1
III.	11.0	10.3	<u>&</u> 1	14.2	16.0	73	146
9.4	8.7	10.7	9.4	15.6	17:	181	14.5
	Š				11.	1.0.1	الروان

L. and Jeffery Brandenburg, "Variables Contributing to Distress in Male Cardiac

(c) Does either distribution appears to be skewed? If so, in what direction? (d) Construct a back-to-back stem-and-leaf Air-(b) Does either distribution appear to be bell-shaped? 小叔学 (a) Construct stem-and-leaf diagrams for each group,

(d) Construct a back-to-back stem-and-leaf diagram for these data (e) Which group tends to have a lower average stress score?

with others? Explain. cardiac patients living alone falls below that of all male cardiac patients living

(P) (M) (K)