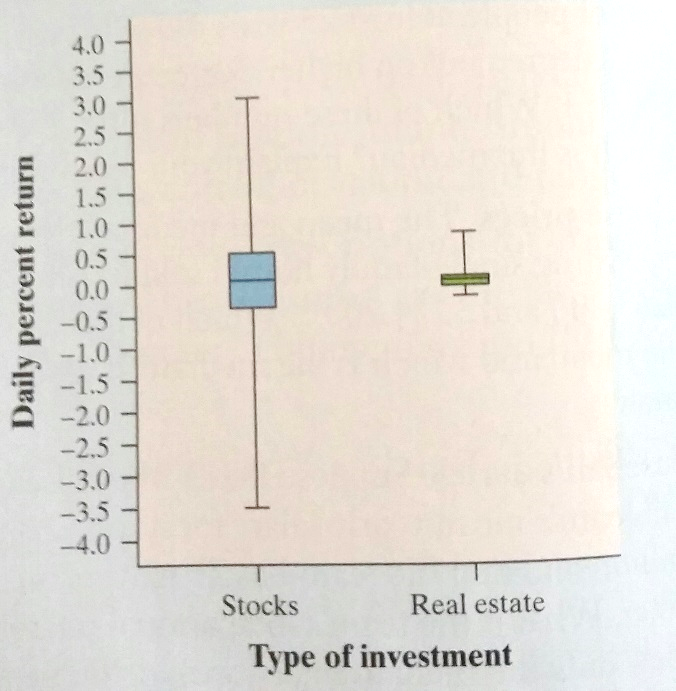
Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date \_\_\_\_\_\_\_\_\_\_\_\_\_\_

Intro to Statistics – Ms. Klimczuk

**Chapter 4 Review for Quiz: Understanding and Comparing Distributions**

1. The boxplots compare the daily returns (in percent) on a “total stock market” fund and a real estate fund over a one-year period.



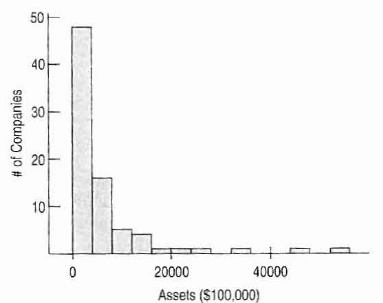
1. Compare the two distributions using the center, shape, and spread.
2. Would you put your money into a fund that buys stocks or a fund that invests in real estate? Why?
3. Here are the scores on the Survey of Study Habits and Attitudes for 18 first-year college women:

**154 109 137 115 152 140 154 178 101 103 126 126 137 165 165 129 200 148**

Here are the scores on the Survey of Study Habits and Attitudes for 20 first-year college men:

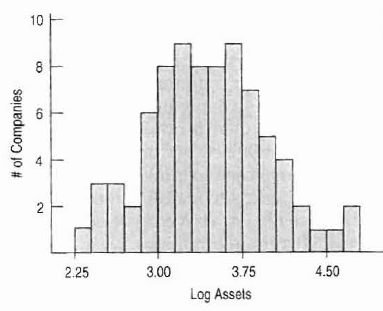
**108 140 114 91 180 115 126 92 169 146 109 132 75 88 113 151 70 115 187 104**

1. Compare the groups by making a back to back stem-and-leaf plot. Make sure to include a key and title.
2. Do these data support the belief that men and women differ in study habits towards learning? Explain your reasoning using a description of your stem-and-leaf display.
3. Here is a histogram of the assets (in one hundred thousands of dollars) of 79 companies.



1. What aspect of this distribution makes it difficult to summarize center and spread?

**Use the following graph to answer part b) through part d).**

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b) What did we do to the data in the first graph to get this one?

c) What are the benefits of doing this?

d) What does the value 4 in this graph actually indicate about the company’s assets?