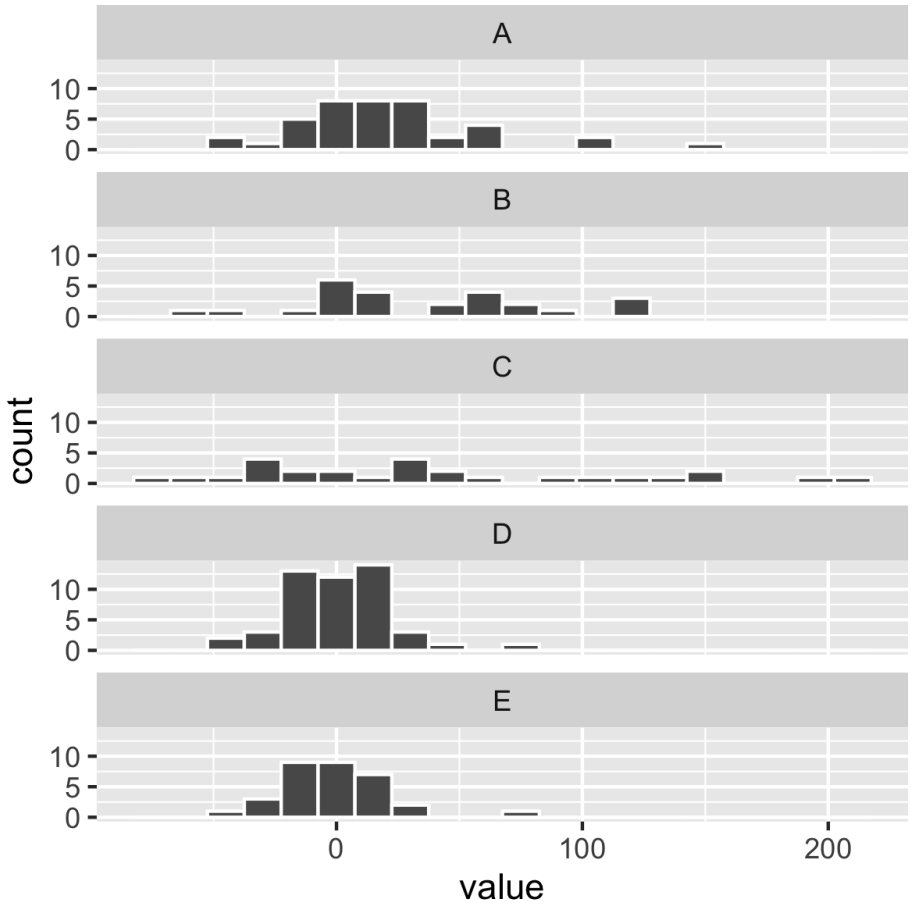
Lesson 3: Describing Quantitative Data: Shape

Preparation

Solutions

Please note that the steps show rounded numbers, but that the final answers to the problems are calculated without rounding. (Questions 1-5)

Problem	Part	Solution
1	Mean	It is the adding up the observed data and dividing by the number of observations in the data set.
1	Median	The median is the middle value in a sorted data set
2	Company A	Mean: 21.276 Median: 13.433
2	Company B	Mean: 33.482 Median: 20.838
2	Company C	Mean: 41.122 Median: 25.558
2	Company D	Mean: 0.706 Median: 1.892
2	Company E	Mean: -1.084 Median: -3.796

Problem	Part	Solution
		
3	-	
4	-	Answers will vary but should talk about shape, center, and spread of the different graphs and data sets.
5	-	Answers may vary, students should choose a company and justify why. They will probably choose B or C, because they have the highest means.