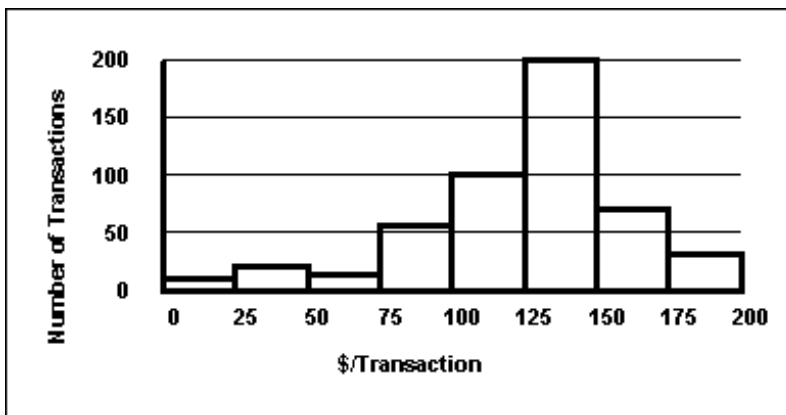
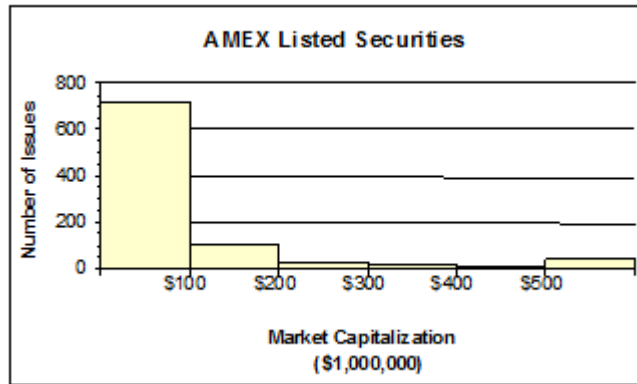


1. A descriptive measure of the sample is called a statistic.
A) True
B) False
2. Numbers which are used to rank-order the performance of workers represent data measured at the interval level.
A) True
B) False
3. The following is an example of what type of widely used graphic?



4. During the Valentine's season, different offices in a company are encouraged to decorate their doors. A committee then goes around and ranks the doors according to how well the doors are decorated. The best door gets a ranking of "1"; the second best gets a ranking of "2", etc. The numbers of these rankings represent which level of data?
A) Interval level
B) Ordinal level
C) Nominal level
D) Ratio level
E) Relative level

5. The staff of Ms. Tamara Hill, VP of Technical Analysis at Blue Sky Brokerage, prepared a frequency histogram of market capitalization of the 937 corporations listed on the American Stock Exchange in January 2003.



- Approximately _____ corporations had capitalizations of \$200,000,000 or less.
- A) 50
B) 100
C) 700
D) 800
E) 900
6. One advantage of a stem and leaf plot over a frequency distribution is that the values of the original data are retained.
- A) True
B) False
7. A statistics student made the following grades on 5 tests: 84, 78, 88, 78, and 72. What is the mean grade?
- A) 78
B) 80
C) 72
D) 84
E) 88
8. A statistics student made the following grades on 5 tests: 84, 78, 88, 72, and 72. What is the median grade?
- A) 88
B) 72
C) 78
D) 80
E) 82

9. A statistics student made the following grades on 5 tests: 84, 78, 88, 78, and 82.
What is the mode?

- A) 78
- B) 80
- C) 88
- D) 84
- E) 82

10. The following represent the ages of students in a class:

19, 23, 21, 19, 19, 20, 22, 31, 21, 20

Use these data to construct a stem-and-leaf plot

Use the 2013 Denver Broncos Regular Season Scores for the following set of questions. **Show All Work!**

Game	Result	Broncos	Opponent
1	W	49	27
2	W	41	23
3	W	37	21
4	W	52	20
5	W	51	48
6	W	35	19
7	L	33	39
8	W	45	21
9	W	28	20
10	W	27	17
11	L	31	34
12	W	35	28
13	W	51	28
14	L	20	27
15	W	37	13
16	W	34	14
Totals	13-3	606	399

11. Construct a stem-and-leaf plot using the Broncos Scores.
12. Construct a histogram using the Broncos Scores.
13. Calculate the mean, median and mode using the Broncos Scores.
14. Calculate the mean, median and mode using the Opponent Scores.
15. Calculate the Range, MAD, Variance and Standard Deviation using the Broncos Scores.
16. Calculate the Range, MAD, Variance and Standard Deviation using the Opponent Scores.
17. Calculate z-Scores using the Broncos Scores.