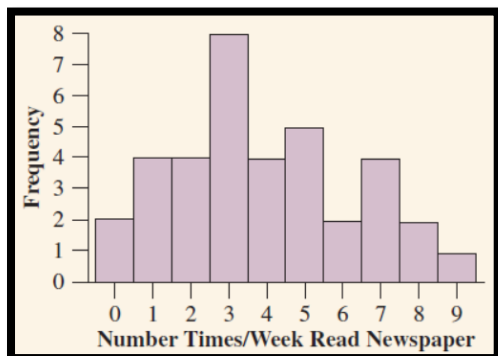


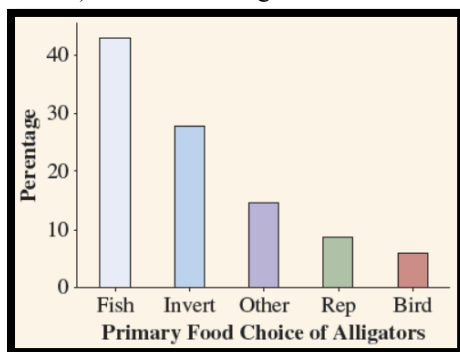


For questions 1 to 5 — How often do students read the newspaper?



- Is this variable continuous or discrete?
a) Continuous
b) **Discrete**
- Minimum response
a) **0**
b) 2
c) 1
d) 9
- Maximum response
a) 0
b) 2
c) 1
d) **9**
- Number of students who did not read the newspaper at all
a) 0
b) **2**
c) 1
d) 9
- The mode is
a) 9
b) 8
c) **3**
d) 0

For questions 6 to 8 — For 219 alligators captured in four Florida lakes, researchers classified the primary food choice (in volume) found in the alligator's stomach in one of the categories



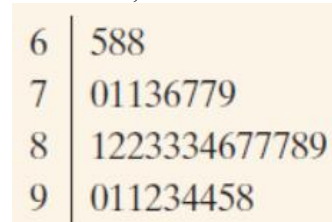
- Is primary food choice categorical or quantitative?
a) **Categorical**
b) quantitative
- Which is the **modal category** for primary food choice?
a) **Fish**

- Invert
- Bird
- Rep

- About what percentage of alligators had fish as the primary food choice?

- 43**
- 25
- 18
- 5

For questions 9 to 12 — A student wants to examine the distribution of his scores as shown on his academic transcript. To this end, he constructs the stem-and-leaf plot of his records:



- The number of courses is _____
a) 3
b) 22
c) **33**
d) 17
- The minimum score is _____
a) 6
b) **65**
c) 56
d) 09
- The Maximum score is _____
a) 118
b) **98**
c) 81
d) 95
- The mode is _____
a) 3
b) 7
c) **3 and 7**
d) 1 and 4
- The Median is _____
a) 17
b) 82.5
c) 38
d) **83**

For questions 14 to 17, refer to the information shown here:



- According to the dot plot, how many customers waited less than 15 minutes in line?
a) 10
b) **12**
c) 13

- d) 15
15. What is the greatest amount of time in minutes waited in line by a customer?
- a) 15
b) 17
c) 19
d) 20
16. The median is
- a) 8
b) 9
c) 10
d) 13
17. To the nearest tenth, what is the mean number of minutes the 16 customers waited in line?
- a) 10.0
b) 10.3
c) 10.5
d) 11.0
18. In the following data set, what additional number should be included in the data set to yield a mean of 10?
5, 8, 10, 12, ____
- a) 8
b) 10
c) 12
d) 15

The heights (in inches) of 30 adult males are listed below. A frequency distribution shows the frequency and relative frequency using five classes.

Class 01: 67.0 – 68.4

Class 02: 68.5 – 69.9

Class 03: 70.0 – 71.4

Class 04: 71.5 – 72.9

Class 05: 73.0 – 74.4

70	72	71	70	69	73	69	68	70	71
67	71	70	74	69	68	71	71	71	72
69	71	68	67	73	74	70	71	69	68

19. Which category of heights represents the mode?
- a) 67.0 – 68.4
b) 68.5 – 69.9
c) 70.0 – 71.4
d) 71.5 – 72.9
20. What proportion of the 30 adult males had heights less than 70 inches?
- a) 0.167%
b) 0.367%
c) 0.433
d) 0.20

Name

ID

ZIPGRADE.COM

- | | |
|--------------------|--------------------|
| 1 (a) (b) (c) (d) | 11 (a) (b) (c) (d) |
| 2 (a) (b) (c) (d) | 12 (a) (b) (c) (d) |
| 3 (a) (b) (c) (d) | 13 (a) (b) (c) (d) |
| 4 (a) (b) (c) (d) | 14 (a) (b) (c) (d) |
| 5 (a) (b) (c) (d) | 15 (a) (b) (c) (d) |
| 6 (a) (b) (c) (d) | 16 (a) (b) (c) (d) |
| 7 (a) (b) (c) (d) | 17 (a) (b) (c) (d) |
| 8 (a) (b) (c) (d) | 18 (a) (b) (c) (d) |
| 9 (a) (b) (c) (d) | 19 (a) (b) (c) (d) |
| 10 (a) (b) (c) (d) | 20 (a) (b) (c) (d) |

STAT 20 Questions (0305)

BEST WISHES

Dr. Mostafa A. Elhosseini
Taibah University Professor
<https://youtube.com/drmelhosseini>