Gast Chapter 8: Visual Representation of Data

What is the purpose of graphic displays? (p.167)

1.

2.

3.

What are the four principles that help graphs communicate information to readers? (p.167)

1.

2.

3.

4.



Label the parts of this graph (p. 168)

1. 8.

2. 9.

3. 10.

4. 11.

5. 12.

6. 13.

7. 14.

(p. 169) Condition Labels: one or two descriptive words or common abbreviations that identify each \_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_.

Why are line graphs used to communicate data? (p.171)

\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_ traditionally have been used by applied researchers to display \_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_

and \_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_. (p.172)

Bar graphs may prove useful when communicating a child’s progress to \_\_\_\_\_\_\_\_\_. (p.172)

(p.175) according to Cooper et al. (2007), cumulative graphs should be chosen over simple line graphs when:

a.)

b.)

c.)

(p. 177) When are semi-logarithmic charts created?

 (p. 177) Where can recommended guidelines for preparing graphic displays be found? \_\_\_\_\_\_\_ manual

(p. 178) \_\_\_\_\_\_ graphs are used to prepare serial data. (data where it is connected)

(p. 178) Combination \_\_\_\_\_\_\_ and \_\_\_\_\_\_\_ graphs are sometimes used when more than three variables appear within a single graph.

(p. 178) Combination \_\_\_\_\_\_ and \_\_\_\_\_\_ graphs are also occasionally used when concurrently monitoring \_\_\_\_\_\_ or more behaviors where one is intended to \_\_\_\_\_\_\_\_\_ the other.

(p. 178) How do you separate experimental conditions on a graph (e.g., A-B)?



What is wrong with graph (b) and graph (c)? (p.181)

(p. 185) Why would you use “blocking” of data?

(p. 185) It is appropriate to block data only if blocking does not mask the \_\_\_\_\_\_\_\_\_\_\_\_\_ of data.

(p. 185) why is it dangerous to block data?

(p. 188) What is misleading about these graphs?



What two research articles outline how to create single-case research study graphs using Excel? (p.189 and p. 197)?

What appendix can be used for creating a simple line graph in Microsoft Excel? (p. 193-195)

What appendix can be used for creating a simple bar graph in Microsoft Excel? (p. 195-197)