

Quiz for Write Your Scientific Journal Article course, Lesson 4

Please note that some questions may have more than one correct answer.

1. Use a table when the following applies:
 - a. You need the reader to see precise numbers
 - b. You only have a few data points
 - c. You need to show dynamic relationships
 - d. You need to show relationships between two values

2. When should you use a figure rather than a table?
 - a. When you have a mixture of data types
 - b. When you need to show precise values
 - c. When you need to show variation that can't be captured otherwise
 - d. Always use a figure if it is feasible

3. Making the figures fits into what part of the project management cycle?
 - a. Monitoring
 - b. Initiating
 - c. Planning
 - d. Closing

4. When should you just put your processed data in the text?
 - a. You only have a few data points
 - b. You need the reader to see dynamic relationships
 - c. You have a mixture of data types
 - d. The lines would overlap in a line graph

5. When designing a table, do the following
 - a. Place familiar information on the right
 - b. Place familiar information on the left
 - c. Make the structure complicated
 - d. Label independent variables in columns headings

6. You should make your figures to tell a story
 - a. True, as long as you are not misleading or presenting it in a biased way
 - b. False, the reader should work to interpret the figure
 - c. True, present the figures to lead the reader to the conclusion you want to make
 - d. False, it is not possible to tell a story in an unbiased way

7. You should always make your figures for publication in color
 - a. True, color just looks better
 - b. True, you can't go wrong with color
 - c. False, use color only if it is necessary

8. How can I improve a figure's readability?
 - a. Use different line weights and patterns if the lines cross or overlap
 - b. Use a red and green color scheme
 - c. Use easily distinguished symbols that are large enough to see at the size upon publication
 - d. Don't worry about readers printing in black and white

9. When is a line graph the best choice?
 - a. Showing responses over a concentration range
 - b. When showing the degree of variation in the data is important
 - c. When there are groupings of treatments
 - d. When the whole of results can be divided into percentage categories

10. Use a box plot when:
 - a. There are groupings of treatments
 - b. Showing responses over a concentration range
 - c. Showing the degree of variation in the data is important
 - d. The whole of results can be divided into percentage categories

Answer key:

1. A
2. D
3. C
4. A
5. B
6. A
7. C
8. A and C
9. A
10. C