

Survey Questions for Assessment of Sherlock Holmes

Pre-Survey

[Likert scale? 1-5 with 1= disagree/not at all; 3= neutral; 5= agree/very much so]

1. I understand what neurophysiology is.
2. I can understand scientific papers involving neurophysiological techniques.
3. I have a good understanding of the scientific experimental design process.
4. I understand that experimental design is a creative process.
5. I understand how to analyze and solve a problem.
6. [Yes/no with space for comment] I have performed some neurophysiology experiments/techniques prior to taking this class.

Post-Survey

[Likert scale? 1-5 with 1= disagree/not at all; 3= neutral; 5= agree/very much so]

1. I understand what neurophysiology is.
2. I can understand scientific papers involving neurophysiological techniques.
3. I have a good understanding of the scientific experimental design process.
4. I understand that experimental design is a creative process.
5. I understand how to analyze and solve a problem.
6. I enjoyed the Sherlock Holmes Project
The Sherlock Holmes project...
7. helped my understanding of neurophysiology in general.
8. Increased my awareness of the experimental design process. Specifically:
 - a. how to develop a research question
 - b. that a hypothesis that is not supported is not necessarily "bad news".
 - c. How to analyze experimental results.

9. [short answer] Suggestions for changes to the project or class in general?

10. [short answer] Which aspect(s) of the course were most helpful to your learning of experimental neurophysiology (e.g. lecture, class activities, lab, Sherlock Holmes, etc.)?

Explain