

Room 9

Part I Lab INFSCI 0401 – 50 points

Referring to the steps necessary in creating an experimental design, write out the name of the steps and complete the details for each step for studying the problem: whether classical music helps or hinders students trying to write an essay using word processing software.

Example Solution:

1. Creating Hypothesis - If a student listens to classical music while writing an essay using word processing software, it will help the student write their essay.
2. Find independent variables - The independent variable is whether or not the student is listening to classical music or not.
3. Find dependent variable - Quality of essay
4. Methodology - Take two groups of students have two essay prompts and have one group listen to music with the first prompt and none of the second and do the opposite for the second half of students
5. Confounding Variables - How hard the essay prompt is, how good the students are at writing essays. How the students relate to the prompts
6. Accept or reject the hypothesis - based on the quality of the essay we have come to \_\_\_\_ conclusion