Title page

Discussion post

1. The experimental studies are those in which the researcher manipulates the factors of the subjects. The subjects are exposed to the risk factors for determining how they might influence subjects. It allows the investigator to determine who is exposed and who is unexposed. One control group is compared with the other group for measuring differences. In quasi-experimental research that is different from a true experimental research. In this research researcher manipulates the independent variable and there is no random assignment of conditions to the participants. The directionality problem is eliminated from such experiments and before measuring the dependent variable, independent variable is manipulated. Effectiveness of treatment is examined in quasi-experimental studies. The control group in pre-experimental studies contain single or multiple groups. In this experiment a single case is compared with other cases the differences between groups are identified (Raymond, Tawa, Tonini, & Gomaa, 2018).
2. Within-subject designs are different from between-subject designs. In between-subject designs treatments are offered to different groups that are under study. Two groups are formed in which subjects are divided randomly. The subjects in one group may differ from the subjects in the other group. The independent variable is also a conditional variable. The subjects in one condition are compared with subjects in other condition. Within-subject designs involve repeated measures designs. The subjects are testes repeatedly for determining the impacts of conditions or factors (Charness, Gneezy, & Kuhn, 2012).
3. Single blind studies are those in which the researcher uses the clinical settings and the participants are unaware if they are under the placebo conditions or receiving the real treatment. However the experimenter has knowledge of the conditions. In double blind studies both the participants and the experimenters are unaware of the placebo or real treatment conditions.

References

Charness, G., Gneezy, U., & Kuhn, M. A. (2012). Experimental methods: Between-subject and within-subject design. *Journal of Economic Behavior & Organization, 81*.

Raymond, C., Tawa, J., Tonini, G., & Gomaa, S. (2018). Using Experimental Research to Test Instructional Effectiveness: A Case Study. *Journal of Political Science Education, 14* (2).