

Download Methods Of Randomization In Experimental Design

Charles S. Peirce randomly assigned volunteers to a blinded, repeated-measures design to evaluate their ability to discriminate weights. Peirce's experiment inspired other researchers in psychology and education, which developed a research tradition of randomized experiments in laboratories and specialized textbooks in the 1800s. Bayesian experimental design provides a general probability-theoretical framework from which other theories on experimental design can be derived. Random selection is how you draw the sample of people for your study from a population. Random assignment is how you assign the sample that you draw to different groups or treatments in your study. Experimental research is a systematic and scientific approach to the scientific method where the scientist manipulates variables.