Sample Experimental Model

Take each of the concepts below and discuss how they relate to the example below.

Terri wants to test her hypothesis that eating strawberries makes a person’s hair grow faster. First she measures and records the length of each person’s hair. She sets up her experiment by choosing 40 people, 20 boys and 20girls in her psychology class. First she measures and records the length of each person’s hair. She feeds ½ of them ½ pint of strawberries a day and the other ½ no strawberries. For 2 weeks. At the end of the three weeks she measures their hair again. To her surprise she notices that the no difference between the two groups. However she does notice that male’s hair seems to have grown longer in both groups.

Define each concept below and apply it to the example

Control group Independent Variable

Dependent variable Experimental Group

Confounding variable Experimenter Bias

Hypothesis Operational Definition