

INDEPENDENT VS. DEPENDENT VARIABLES

Dependent variables are the variables being measured

Independent variables are the variables being manipulated

Directions: Find which variable is the independent and which is dependent. Once you have answered, the answers are below.

SCENARIO 1: A researcher wants to determine if time required during a test effects a student's score. He designs a test with three groups. Group one has an hour and a half to finish a 50 question test, group two has an hour to finish the same test, and group three has only half an hour to finish the test. What are the independent and dependent variables?

Independent: _____ Dependent: _____

SCENARIO 2: A researcher wants to find if perception of gender roles are affected by the gender of the individual. The researcher surveys males and females separately about their perception of gender roles and calculates the data. What are the independent and dependent variables?

Independent: _____ Dependent: _____

SCENARIO 3: Does whether or not an individual is a vegetarian effect how many eggs they eat?

Independent: _____ Dependent: _____

SCENARIO 4: Does room temperature effect comfort for students in classrooms?

Independent: _____ Dependent: _____

1I: Time 1D: Score 2I: Gender 2D: Perception of Roles 3I: Vegetarian or Not 3D: Eggs Eaten 4I: Temperature 4D: Comfort
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