



### **INDEPENDENT VARIABLE (IV):**

THE VARIABLE THAT IS PURPOSEFULLY CHANGED  
THE "I CHANGE IT" IN THE EXPERIMENT  
GRAPHED ON THE X-AXIS

### **DEPENDENT VARIABLE (DV):**

"D" STANDS FOR DATA  
GRAPHED ON THE Y-AXIS

### **CONSTANT (C):**

ALL FACTORS THAT REMAIN THE SAME AND HAVE A FIXED VALUE  
"KEPT THE SAME"

### **CONTROL GROUP:**

THE GROUP THAT IS USED AS A STANDARD FOR COMPARISON IN THE EXPERIMENT  
IT MAY BE A GROUP THAT RECEIVES NO TREATMENT OR A GROUP THAT IS  
DEFINED BY THE EXPERIMENTER.

### **REPEATED TRIALS:**

NUMBER OF EXPERIMENTAL REPETITIONS, OBJECTS OR ORGANISMS TESTED AT  
EACH LEVEL OF THE INDEPENDENT VARIABLE. (MINIMUM OF THREE TRIALS)

### **HYPOTHESIS:**

STATEMENT ABOUT THE RELATIONSHIP BETWEEN TWO VARIABLES  
"IF ...THEN" STATEMENT  
SUGGESTED SOLUTION THAT CAN BE TESTED

"IF THE (IV) IS (INCREASED/DECREASED) THEN THE (DV) WILL  
(INCREASE/DECREASE)."