

## **Week 1 Vocabulary - Aidan Sharpe**

### **Independent Variable**

The independent variable in an experiment is variable being manipulated by the experimenter.

### **Dependent Variable**

The dependent variable in an experiment is the variable being measured by the experimenter.

### **Standardized Variable**

Standardized variables in an experiment are the variables that are held constant.

### **Control Group**

The baseline (default case) for the independent variable.

### **Experimental Group**

The set of all tests where the independent variable is changed.

### **Hypothesis**

An educated prediction about how changing the independent variable will affect the dependent variable.

### **Qualitative**

Measurements or observations that are strictly descriptive or categorical in nature and do not include numerical information.

### **Quantitative**

Measurements or observations that include numerical information.

### **Inference**

Using trends to make predictions.

### **Observation**

Any measurement qualitative or quantitative in nature.