

# MORE WITH THE METHOD

## ***variables:***

factors that can change in an experiment

### **independent (manipulated/experimental)**

- what is changed / what changes

### **dependent (responding)**

- what changes as a result  
- data that is collected

### **controls (controlled variables/constants)**

- all else that may affect outcome

## ***question:***

a statement that explores the relationship *between* variables

***How does IV affect DV?***

***What is the effect of IV on DV?***

***What effect does IV have on DV?***

***Does IV affect DV?***

## ***hypothesis:***

a statement that proposes a relationship *between* variables

***I think (anticipated conclusion)... because (background knowledge)...***

***If (IV)... then (DV)...(anticipated conclusion and/or background knowledge)***

hypotheses can BE WRONG