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| Controls: | are factors that are NOT changed throughout the experiment by the scientist or the experiment. |
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| Variables: | are the things that will change (or vary) in your experiment. |
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| There are two types of variables | 1. Independent variables   2. Dependent Variables. |
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| Independent variables (IV) | Factors that you are changing/controlling in your experiment. |
|  | You are testing their effect on something. |
|  | You should try to have only 1 independent variable so that you know that is the variable causing the change. |
| Dependent variables (DV) | What you are measuring to determine if there is an effect from the independent variable |
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|  | You do not manipulate the dependent variable directly. |
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| During an experiment/investigation: | You are changing the IV and seeing if the DV changes because is "depends" on the IV. |
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| Summary: | IV= I control, I change  **D**V= I **d**on’t control, it is what it is |
|  | IV=manipulate variable  DV=responding variable |
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