Experimental Design Diagram Format

**Problem Statement:** What is the effect of \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ on \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_?

(independent variable) (dependent variable)

**Title:** The Effect of \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ on \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

(capitalized independent variable) (capitalized dependent variable)

**Hypothesis:** If the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ is \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, then the

(independent variable) (describe the change you will make)

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ will \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ because \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

(dependent variable) (describe the change you expect) (give a reasoned explanation why what you said will happen)

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Independent Variable: | | | | | | |
| Levels of I.V. | 1 (control) | 2 | 3 | 4 | 5 | 6 |
|  |  |  |  |  |  |  |
| Repeated Trials |  |  |  |  |  |  |
| Dependent Variable: | | | | | | |
| Constants: | | | | | | |

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(independent variable) (dependent variable)

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(capitalized independent variable) (capitalized dependent variable)

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| --- | --- | --- | --- | --- | --- | --- |
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| Dependent Variable: | | | | | | |
| Constants: | | | | | | |