**Investigation Design Diagram (IDD)**

*for Secondary Research Projects*

**Title:**

**Question:**

**Hypothesis and Prediction Statement:**

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| **I.V.** (Independent Variable: name and units) |
| Source of Data: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Range of readings of the IV: Lowest value: \_\_\_\_\_\_\_ (units:\_\_\_\_\_\_\_) Highest value: \_\_\_\_\_\_\_\_\_\_\_\_\_\_ (units \_\_\_\_\_\_\_)  Number of Data Points: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (Trials)  Time span over which the data was collected (if appropriate): From: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ To: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| **Data analysis strategy:\*** (How will you analyze your data? What types of graphs will you make? Will you mean or averages, modes or medians?) |

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| **D.V.** (Dependent Variable: name and units) |
| Source of Data for your DV: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

**Constants:**

**Investigation Design Diagram (IDD)**

*for Secondary Research Projects*

**Title:** *The effect of \_\_\_IV\_\_\_ on \_\_\_DV\_\_\_ (be very specific about your IV and DV)*

**Question:** *How will \_\_\_IV\_\_\_ affect \_\_\_DV\_\_\_ ?*

**Hypothesis and Prediction Statement: *If*** *\_\_(describe a change in the IV)\_\_\_* ***then*** *\_\_\_(describe how you expect the DV to change in response)\_\_\_\_* ***because*** *\_\_\_(provide one or more science concepts that you have learned about that help explain the connection between the change in the IV and DV) \_\_\_\_*

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| **I.V.** (Independent Variable: name and units) |
| Source of Data: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Range of readings of the IV: Lowest value: \_\_\_\_\_\_\_ (units:\_\_\_\_\_\_\_) Highest value: \_\_\_\_\_\_\_\_\_\_\_\_\_\_ (units \_\_\_\_\_\_\_)  Number of Data Points: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (Trials)  Time span over which the data was collected (if appropriate): From: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ To: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| **Data analysis strategy:\*** (How will you analyze your data? What types of graphs will you make? Will you mean or averages, modes or medians?) |

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| **D.V.** (Dependent Variable: name and units) |
| Source of Data for your DV: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

**Constants:**