# DataBlitz Requirements and Scoring Guide

A great scientist can communicate the results of their investigations clearly and concisely. You will carefully design one slide that summarizes your entire lab investigation. You will have 60 seconds to present your slide and share your entire investigation with the class. The presentation needs to be brief, yet contain enough detail so students can understand the nature of your laboratory investigation and what you learned.

**Your Task:**

1. **Design a slide** summarizing your laboratory investigation. Use Google Slides, and submit to Google Classroom by the due date. Be sure your slide has a:

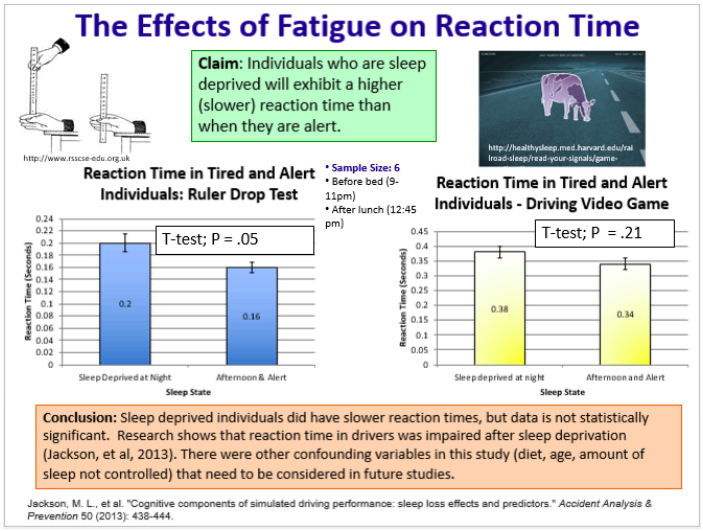
    a. **Descriptive Title** (the effect of the *independent variable* on the *dependent variable;* indicates the research question)
    b. **Claim** (What is the answer to your research question?)
    c. **Results/Evidence**
        i. Data table (*sufficient* and *appropriate* statistically analyzed data, no raw data)
        ii. Graph (*appropriately* selected chart)
        iii. Picture was taken of experiment/results of the experiment
    d. **Reasoning** (brief statement suggesting how and why the evidence supports your claim; include a parenthetical citation)
    e. **Citation(s)**

** Keep in mind that everything does not need to be written out. You will be explaining the process, data, and conclusion. This slide is meant to be visual, engaging and EASY TO FOLLOW. DO NOT INCLUDE A LOT OF TEXT.

2. **Present your slide** to the class. You will have no more than **60 seconds** to accomplish this task. Rehearsal and efficiency is key! Try to make eye contact with your audience (do not read from your slide) and present in a *professional*, audible, and well-paced manner.

    Oral presentation should explicitly address:
    a. **Research Question**
    b. **Claim** (What does the data suggest?)
    c. **Evidence** (most important-relevant data)
    d. **Reasoning** (support claim with evidence)
    e. **Limitations and Future Direction** (i.e. limitations/error, what you would do differently, questions generated, relevance/significance)

**Example:**



# DataBlitz Slide Presentation Rubric

| Score | 4 | 3 | 2 | 1 |
|---|---|---|---|---|
| **Scientific Justification** | The **claim** is clearly stated and logical. The **reasoning** contains *scientifically valid justification* to clearly support the claim with *sufficient* and *appropriately analyzed* data from the investigation. **Citation(s)** are included | The **claim** is clearly stated and logical. The **reasoning** is *scientifically reasonable* with only *some appropriately analyzed* data from the investigation is used to support the claim. **Citation(s)** may be in improperly used | The **claim** is *unclear* and the **reasoning** for the phenomenon is *scientifically questionable*; and *insufficient* or *inaccurate analysis of* data from the investigation is used to support the claim. **Citation(s)** are in *improper* bibliographic form or missing. | The **claim** and **reasoning** for the phenomenon are missing and/or *scientifically flawed;* in addition, *insufficient and/or inaccurate* data from the investigation is used to support the claim. **Citation(s)** are missing. |
| **Data Evidence** | Appropriate **data table** with *analyzed data* is provided. **Picture** of experiment is clear. **Graph** is *easy-to-read and properly labeled*. Provides appropriate and sufficient evidence to support the claim. | Provides appropriate, but insufficient evidence to support the claim. May include some inappropriate evidence. **Data table** without analyzed data provided. **Picture** of experiment is unclear or unrelated . **Graph** is *reasonably clear but contain minor errors* (e.g. untitled, mislabeled, units missing). | Evidence does not support the claim; only provides *inappropriate evidence*. **Data table** and/or **graph** are *unclear/missing and contain multiple errors* (e.g. untitled, mislabeled, units missing). **Picture** is unrelated to experiment | **Data table**, **Picture** and/or **graph** are missing. |
| **Slide Design** | **Information** in the slide is *well-written* in a clear, concise (limited text), organized, and *engaging* manner. *No typos or grammar mistakes*. It is easy to read with appropriate use of color. | **Information** in the slide is presented in a clear and organized manner, but could be *more engaging* (possibly an abundance of text). *Some typos or grammar mistakes* Colors make reading text difficult | **Information** in the slide needs *many edits* and could be written in a clearer manner as well as an abundance of text or poor use of colors. | **Information** in the slide need *significant edits* and is presented in a *disorganized and confusing* manner. |
| **Group Presentation Skills** | The information was *skillfully* **presented** (clearly and concisely) with *poise and grace* (e.g. made eye contact and did not rely on slide content) in a *professional, audible and well-paced manner* (finished within +/- 5 seconds from the **60 second time limit**). | The information was *competently* **presented** (e.g. rehearsed, attempt at eye contact, and did not simply read from the slide) in a *proficiently audible and well-paced manner* (finished within +/- 15 seconds from the **60 second time limit**). | The information was *satisfactorily* **presented** (e.g. moments of confusion, loss of eye contact, and reading from the slide) in a *somewhat inaudible and disjointed manner* (finished +/- 20 seconds from the **60 second time limit**). | The information was *incoherently* **presented** (e.g. confusing, poor eye contact, and read from the slide most of the time) in an *oftentimes inaudible and disjointed manner* (finished more than 20 from the **60 second time limit**) |
| **Errors, Limitations and future direction** | **Limitations** and **errors** explained and make sense. **Future direction** clearly explained correctly. | **Limitations** and **errors** were explained. **Future direction** explained. | **Limitations** and **errors** were explained but unclear. **Future direction** was started but may be unclear. | **Limitations** and **errors** were missing. **Questions** were not stated and the **significance** of their results and the lab was missing or very unclear. |

**Names:** _____

**Title of Presentation**: _____

**RAW SCORE** _____ **CONVERTED SCORE** _____**/100** **PERIOD** _____

**General Comments:**

**CONVERSION SCALE:**

| RAW SCORE | CONVERTED SCORE (100) |
|---|---|
| 20 | 100 |
| 19 | 97 |
| 18 | 94 |
| 17 | 91 |
| 16 | 88 |
| 15 | 85 |
| 14 | 82 |
| 13 | 79 |
| 12 | 76 |
| 11 | 73 |
| 10 | 70 |
| 9 | 67 |
| 8 | 67 |
| 7 | 61 |
| 6 | 58 |
| 5 | 55 |

**Data Blitz Jigsaw Presentation Chart:**

| Name of Presenters | Title of their DB | Identify their IV and DV | What were the outcomes? (At least 2 bullet points) |
|---|---|---|---|
| | | | |
| | | | |
| | | | |