Muller-Lyer Lab Report Contents

- 1. Introduction
 - 3 major sections
 - Muller-Lyer Illusion
 What is it? Describe/explain using Figure from Topics page.
 Explain terminology to describe figure. What is the effect?
 (APA format rules for Figure.)
 Use OPL site. (Go in as Educator. Link to "Read About Studies")
 - Gregory's (1963) Inappropriate Scaling Theory What is it? Why does it happen? How does it work? Apply to Muller-Lyer Illusion (Read article. Article should appear in Reference.)
 - What is IV and DV? What is the prediction according to Gregory?

2. Method

- Participants

- Apparatus

PC, connected to internet, Web browser

- Procedure

Begin with initial logging onto website (include URL), getting to the M-L program, starting program, and describe task.

Next describe design. (What is IV? DV?) Use OPL information.

End with prediction of results if Gregory theory is correct. (NOTE: Major mistake in description of design on OPL website. Actual Difference Calculation is ADJUSTABLE MINUS WINGED NEGATIVE score means adjustable made shorter than winged POSITIVE score means adjustable made longer than winged.)

3. Results

Description of Results is built around Figure. Include Figure (APA format rules.)

Explain how to read figure. What information is provided on X-axis? What information is provided on Y-axis? What information is provided by a data point?

What is the general pattern of results? Is this general pattern consistent with Gregory's prediction?

4. Discussion

Begin with verbal summary of results.

Redescribe briefly Gregory's theory and his basic predictions. Are the results consistent or inconsistent with his theory?

Any other observations that you feel should be reported?

What is the next step to evaluate Gregory's theory? Think of a variation (longer wings, shorter wings, more realistic drawing of a building corner, photograph of building corners) Predict what should happen if Gregory is correct.

- 5. Reference(s)
- 6. Table (if you decide to report.)
- 7. Figures (each on a separate page).