**Animal Behavior Zoo Project Report Details**

**Project Proposal (week 4 )10%**

* Turn in on canvas – can turn back in until you get full credit

**At the Zoo (week 9) 🡪 ETHOGRAMS 15%**

1. Observe your animal – I’ll be around to help out
   1. Must have a minimum of 1.5 hours of observation in 30 min blocks of your main animal
      1. The provided ethogram has 30 minutes (x 3 = 90 minutes total)
   2. Must have **two t**en-minute observations of related animals
2. One of these 5 observation sessions must be completed using a Zoo WebCam
3. Plan additional visits for more observations if needed

**Draft of the Graphs (week 11) 5%**

* Turn in a draft of one graph
  + Graph, Axis label, Title
* See directions for details of the graphs
* Rubric is on canvas

**Report (Due Week 15): 🡪 50%**

Be sure to clearly label all sections in the report

1. **Abstract/Summary of Study**
   1. This is a one paragraph summary of your study
2. **Introduction**
   1. Background on your animals
   2. Evolutionary history of the group including classification
   3. Explain why you picked these animals
3. **Methods**
   1. What did you do at the zoo? Explain the behavioral method used.
   2. List the behaviors used in your ethogram and their descriptions (this can be presented in a table or in the text)
   3. Cite/Use Altman 1974 as a reference on behavioral data acquisition
4. **Results with graphs**
   1. Graph your data (bar graph with behaviors on x-axis, % time on y-axis), label all the axes, etc.
      1. To Calculate % time: (Minutes of behavior)/(Total Time of Ethogram) x 100
      2. Graph 1: All Main Animal Data (show all 3 trials as 3 bars OR average with error bars)
      3. Graph 2: Related Animals (both on one graph)
      4. Graph 3: All Animals (all data on one graph)
   2. Include all data from the zoo (either typed or originals)

**\*\*\* Include all RAW data from the zoo (ethogram assignment) \*\*\***

1. **Discussion**
   1. Behavioral Analysis
      1. Differences by Trial
      2. Compare zoo vs. web cam
      3. Compare zoo vs. natural
      4. What could you expand on?
      5. What could you do differently?
   2. Compare main animal and related animals
   3. Fit in with other ethograms
   4. How was this different than if we studied them in class?
2. **References**
   1. Cite everything in text (MLA format is fine or any other consistent format)
   2. List everything in a bibliography at the end of the report

**IT IS ESSENTIAL THAT YOU CITE ALL SOURCES YOU USE FOR THIS ASSIGNMENT INCLUDING WEBSITES**

**In-class Presentation (Final Project, Week 15) 🡪 20%**

* 5 minutes long (MAX)

Presentation should include:

* Background on main animal
* Pictures of animal
* Graphs on main animal
* Conclusions on the behavior of your animal
* References

**Grading:**

* 65% science content
* 10% presentation in-class
* 10% presentation of material
* 10% effort/grammar
* 5% creativity/wow