

PROVIDENCE EXTENSION PROGRAM

MRS. NORRIS

HONORS STATISTICS 3rd QUARTER PROJECT

Each student or group must choose a species of animal from the Jacksonville Zoo to study. The animal chosen must have a zoo population of at least 7. Determine one aspect of that animal on which you would like to do research. (Go to www.jacksonvillezoo.org/animals/)

Set up a study to evaluate that particular characteristic, following the Hypothesis Testing procedures in Chapter 8 (found on pages 413 or 418-419, 426-427 or 428, 443, 454, 469, Or 471) of our textbook.

We will visit the zoo on an agreed upon Monday or Friday in February and meet with personnel responsible for studying, evaluating, and caring for the particular animal you have chosen. Prior to that visit you must have your study and questions related to conducting that study prepared for my review and critique. This needs to be submitted in writing (PDF). Final drafts will be submitted to Jacksonville Zoo Administration prior to our visit.

After your visit and once you've gathered the pertinent information, you are to prepare a 2+ page type-written report describing:

- a) appropriate background information on the animal you studied,
- b) your hypothesis, Null & Alternate
- c) the method by which you tested your hypothesis,
- d) your results, and
- e) your conclusion/interpretation.

Please include calculations, charts, pictures, etc. as warranted. And, please remember to cite your sources! Grades will be based on proper use of study methods learned, the accuracy of study calculations, and the written quality and organization of the paper, not excluding all instructions mentioned above.

Statistics – 3rd Quarter Project Grading Rubric

a) Introduction and Background Information

10 points _____

b) Hypotheses

20 points _____

c) Method Used to Test Hypothesis

20 points _____

d) Explanation of Calculations & Results

20 points _____

e) Conclusion/Interpretation

20 points _____

f) Visual Aids (charts, pictures, etc.)

8 points _____

g) Citations

2 points _____