## Teaching Notes By *Valerie Greene*

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**Course Information**

Department: Environmental Science

Level: **Lower Undergraduate** (select one)

Course type: **Lab**

Students: **Non-majors**

Number of Students: 32

**Module Information**

Original Module Name: "Exploring the population dynamics of wintering bald eagles through long-term data”

Link to Original: <https://www.esa.org/tiee/vol/v7/issues/data_sets/beckstead/abstract.html>

Modified Module Name: "Exploring the population dynamics of wintering bald eagles through long-term data” Link:

Files associated: Partially filled out Student Proposal worksheet that is associated with the guided version of the activity worksheet and Background info Lecture PowerPoint

Modification Learning Goals:

* **My objective is for students to become familiar with graphs and how to make them using real data sets.**

**Teaching Notes**

What did you change and why? I have modified the Students research proposal sheet to be even more guided. Yes, I modified the background materials to make a pptx presentation. I also modified the Student Proposal by filling some of it to facilitate the guided approach further. I also trimmed down the background handout so it was more concise to distribute to students.

* How did the activity go?
1. What went well and why? I mostly received positive feedback. The students like incorporating real data with an activity. I noticed that even the students who self-identified as “ not into science” were modeling “biologist thinking”.
* What was the prep like?
	+ How much time went into prep? I had to make an additional pptx on how to look at graphs and make them
* Would you do this activity again? yes
* What would you change in the future? I would do this Module or have an initial assignment with a data set first. Then this Module could be more of a group assessment with less guidance by me.