Guided Reading Questions for: “Evolution of Character Displacement in Darwin’s Finches”

These are meant to help you make sense of the paper you were asked to read for next class.

1. Read the abstract (the first paragraph under the title). Summarize the results of the experiment using only ONE sentence.
2. What factors, in general, affect the beak size in Darwin’s finches?
3. What factor, specifically, did this study look at?
4. Look at Table 1. There are two Chi square values given. Explain what the authors are showing with these Chi square values.
5. What is meant by “character displacement?”
6. What are the four lines of evidence that support the causal role of *G. magnirostris* in the character displacement of *G. fortis*?
7. Look at Figure 2. What do the vertical lines show? What do the horizontal lines show? What are two conclusions that can be made from Figure 2?
8. What are the models that are supported by this study?
9. Is this study evidence of evolution? Support your answer using evidence from the paper.