**Name: Audrey McCombs**

1. General Info
   1. Proposed Title: *Anticipating the effects of climate change on nectar resources for pollinators*
   2. Likely coauthors: *Diane Debinski, Petrutza Caragea*
   3. Proposed journal (1st choice): *not sure yet*
   4. Proposed journal (backup):
2. The overarching question of this paper is *How will increased temperatures expected under climate change affect three characteristics of nectar (volume, concentration, total sugar) in two plant species (Eriogonum umbellatum and Balsamorhiza saggitata) that provide important resources for pollinators?*
3. Which is important/interesting/unresolved because (1-4 reasons)
   1. *Unclear how increased temperatures will affect nectar resources*
   2. *Unclear how changes in nectar resource characteristics might affect pollinator communities*
   3. *[fill in]*
   4. *[fill in]*
4. To answer this question/explore this topic, I addressed the following objectives: (NB you can have more or less than 3 objectives, but I recommend 2-4)
   1. *Determine if increased temperatures affect nectar concentration*
   2. *Determine if increased temperatures affect nectar volume*
   3. *Determine if increased temperatures affect nectar sugar content*
5. I addressed these objectives: (use list/bullet points below)
   1. In *Grand Teton National Park*
   2. With the following focal/model species/model system: *Eriogonum umbellatum and Balsamorhiza saggitata*
   3. And the following approaches: *measure nectar characteristics of plants in 6 heated treatment plots compared to 6 control plots*
6. For my analysis, I want to test: *if there is a difference in nectar characteristics between treatment plots and control plots*
7. My response (y-axis) variable is: *nectar volume, concentration, and sugar content*
8. My predictors (x-axis/colors/shapes on the graph) are: *treatment plot*
9. I replicated this across *6 treatment and 6 control plots*
10. I think I will need to analyze these data using a *random effects model*
11. I anticipate I will get a final figure(s) that will look like this