[format: single space, 1inch margin, text+figures/tables no more than 2 pages, references can go over the two-page limit]

**Title**: Construction noise impacts reproductive success of Eastern Bluebird

**Data Description: [Include the following information]:**

-brief description of the experiments

-what data is collected (measurements? Pictures? Sound/video Recordings? Sequences etc.)

-What taxa are involved? Passeriformes - Turdidae

-Location Gainesville, Florida

-Duration, intervals of the experiments. One completed reproduction season (Early March to late July)

-Number of relational tables (analyze at least two tables), dimensions of the data

**Table 1 - treatment table:** noise treatment levels – level detail, level code

**Table 2 - habitat table:** background noise level for each nest location，spatial data (gps location), habitation description.

**Table 3 - reproduction outcome table:** Number of eggs produced, number ofchicks hatched, hatching success of each, and noise treatment level codes.

**Aims of the experiments**:

List questions the authors/you plan to answer.

1. What’s the impact of construction noise on reproductive success of Eastern bluebird?
2. Do Eastern Bluebirds that nested in quiet area and those that nested in noisy area react similarly to the additional construction noise?

**Hypotheses:**

1. Construction noise impact negatively on the reproductive success of Eastern Bluebirds.
2. Eastern Bluebirds that nested in quiet area response strongly to the additional construction noise than those that nested in noisy area.

**Proposed methods**:

-What R packages/functions do you plan to use?

1. ggplot2

2. tidyverse

-What kind of figures do you plan to communicate the findings?

Boxplot with error bar

-For graduate students: what statistical methods do you plan to test the hypotheses?

ANOVA, Multivariate Analysis

**Simple summary stats of the data:**

-present at least 1 figure, displaying some summary statistics of the data (include the code)

**Figure 1**: box plot for background noise level (quiet versus noisy)

**Figure 2**:

For graduate students: provide the git repo website for the project that includes your curated data (if too large, you can upload only a small sample of the data)