This questionnaire will be used to collect answers detailing the statistical approach that your research team has taken.

Please provide enough information for a naive empiricist to be able to understand what you did and why. Remember, not all individuals involved in this project will have the same statistical expertise.

Which research question did you answer?

To what extent is the growth of nestling blue tits (*Cyanistes caeruleus*) influenced by competition with siblings?

How does grass cover influence *Eucalyptus spp.* seedling recruitment?"

What is your first (given) name?

What is your last name (surname or family name)?

What is your email address?

What is the name of your analyst team (where relevant)?

List the full names and emails for the other analysts on this analysis team

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Data Cleaning

What transformations (if any) were applied to the variables? Please be specific.

Did you exclude any data (entirely exclude any rows from the original data set)? (This question is NOT asking about excluding variables [columns from the original data set])

Yes

No

Please describe the process and criteria used to choose to exclude (or not exclude) subsets of the data from your final analysis.

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Statistical Modeling

What is the name of the statistical technique that you employed? (e.g. "Analysis of Variance" or "Generalized Linear Mixed Model with binomial error and logit link")

Please explain why you selected this technique and describe the process you used to select it

Please describe the statistical technique you chose in more detail. Be specific, especially if your choice is not one you consider to be well-known.

What are some references for the statistical technique that you chose? If you don't know of references introducing or justifying this technique, can you provide one or more references in which the technique was used?

How did you choose variables for your model? If there were multiple steps, please explain them.

Please describe the process by which you decided how to combine your variables in your model (for instance, how did you decide whether to include interaction terms or quadratic terms?). Again, if there were multiple steps, please explain.

Did you include any random effects in your model?

- Yes
- No

If you included random effects, please list them an explain why you included each one

Which software (including version) did you use? If you used multiple kinds, please indicate what was accomplished with each piece of software (e.g., data cleaning - R 3.4.4; model estimation - SAS 9.3)

Attach a description of your methods

Please upload a file containing a full-text description of your methods as you would write for submission to a journal

Drop files or click here to upload

Attach your analysis files

Please upload a file containing your analysis code (if you have multiple analysis files please compress them into a zip file first). If you conducted analyses with menu-driven software, please upload a file listing the complete sequence of menu options you selected.

Drop files or click here to upload

Attach processed data files (if relevant)

We will need to re-run all or part of your analysis to generate standard effect sizes. Therefore, if your analysis files rely on processed data files please upload the processed data files here (if you have multiple files please compress them into a zip file first)

Drop files or click here to upload

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Results (this information will not be shared with the peer reviewers)

Attach your output files

Please upload a file containing your analysis output (if you have multiple analysis output files please compress them into a zip file first).

Drop files or click here to upload

Attach a results summary file

Please upload a file containing your results as you would present them in a manuscript for publication.This should include parameter (slope) estimates and associated estimates of uncertainty (e.g., standard error) around these estimates as well as other relevant details from the analysis you conducted. Please include this information for all variables included in your model(s), not just the primary independent variable.

In most cases, it will be appropriate to include this information in one or more tables.

Drop files or click here to upload

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What conclusion regarding the original biological question do you draw from your results?

As a reminder, here are the two questions:
To what extent is the growth of nestling blue tits (Cyanistes caeruleus) influenced by competition with siblings?
or
How does grass cover influence Eucalyptus spp. seedling recruitment?

Please use this space for any additional comment you may have at this stage (this is for our information and will not displayed to other teams).

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Please press the submit button only once you are sure that you would like to submit your responses and that no changes are needed at this stage.

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