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PREVIEW : *LDP Course - Trial*

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Author(s)
Noemie Sheppard (McGilll University) - noemie.sheppard@mail.mcgill.ca

Make sure all email addresses are correct, otherwise authors will not have access to this submission.

Check out what the .pdf (see_pdf.php) for (the public version of) this pre-registration would look like.
(most useful if you are using unusual characters, symbols, etc. in your pre-registration).

Submission
1) Have any data been collected for this study already?
No, no data have been collected for this study yet.

2) What's the main question being asked or hypothesis being tested in this study?
Dragonfly larvae have a Type II functional response when preying on large reed frog tadpoles vs a Type III when preying on small reed frog tadpoles

3) Describe the key dependent variable(s) specifying how they will be measured.
Number of prey eaten per density of prey given

4) How many and which conditions will participants be assigned to?
Dragonfly larvae will be given varying densities of either big or small reed frog larvae

5) Specify exactly which analyses you will conduct to examine the main question/hypothesis.
Maximum Likelihood Estimation of consumption data for each prey type with an ANOVA to compare between them.

6) Describe exactly how outliers will be defined and handled, and your precise rule(s) for excluding observations.

We will exclude zeroes as a lack of consumption is not an accurate measurement of consumption.

7) How many observations will be collected or what will determine sample size?

No need to justify decision, but be precise about <u>exactly</u> how the number will be determined.

We will collect 10 observations per prey density

8) Anything else you would like to pre-register?

(e.g., secondary analyses, variables collected for exploratory purposes, unusual analyses planned?)

As of the writing of this pre-registration, the single author of this pre-registration was the only author involved in this research project
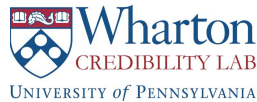
Study type: Experiment
Data source: University lab

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