Preregistration

My preregistration for CIEE

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Study Information

Title	Laura's CIEE Project
	My preregistration for CIEE
Description	This is for the CIEE course
Hypotheses	These are teaching data Laura Super collected. The experiment tests the hypothesis that warming and nitrogen will impact plant performance and the associated microbiome.

Design Plan

Study type	**Experiment**. A researcher randomly assigns treatments to plants in growth chambers, where nitrogen or water is applied and warming is applied or no warming.

Blinding   No blinding is involved in this study.

Study design   This had a warming x nitrogen design.

Randomization   Randomized block design within growth chambers

Sampling Plan

At the end of the experiment.

Existing data   **Registration prior to creation of data**. As of the date of submission of this research plan for preregistration, the data has been collected.

Registration prior to any human observation of the data. As of the date of submission, the data exist but have not yet been quantified, constructed, observed, or reported by anyone - including individuals that are not associated with the proposed study.

Registration prior to accessing the data. As of the date of submission, the data exist, but have not been accessed by you or your collaborators. Commonly, this includes data that has been collected by another researcher or institution.

Registration prior to analysis of the data. As of the date of submission, the data exist and you have accessed it, though no analysis has been conducted related to the research plan (including calculation of summary statistics).

Registration following analysis of the data. Not applicable Please see https://cos.io/prereg for more information.

Explanation of existing data   Phytobiome data

Data collection procedures	At the end of the experiment
Sample size	See dataset on OSF
Sample size rationale	Funding and realism :)!
Stopping rule	Not applicable

Variables

Manipulated variables	Nitrogen and warming. Also there were three tree species.
Measured variables	Height, microbiome, etc.
Indices	Think about later :)

Analysis Plan

Statistical models	Soon!
Transformations	Hmm....
Inference criteria	
Data exclusion	None
Missing data	None

| **Exploratory analyses (optional)** | Not applicable |

Other

| **Other (Optional)** | Not applicable |

References