# Introduction

Establishing the territory

* + Seed germination is critical for species survival and colonize new territory, which is also the threshold for reseeding restoration practice.
  + It would be beneficial for reseeding restoration practice if we can use some easy measurements to predict seed germination.

Identifying the niche (the Problem)

* + Publications tried to detect the correlation between seed morphology and seed germinations without phylogenetic information.
  + If species are closely related, phylogenetic information should be included to ensure the independence of morphological measurements.

Occupying the niche

* Hypothesis:
  + Whether include phylogenetic information in the analysis of relationship between seed morphology and seed germination rate will be influenced
* Approach:
  + Test phylogenetic signal in seed morphological measurements
  + Build the general linear model of seed morphological data and seed germination rate.
  + Test the differences between two linear models
* Prediction:
  + There will be phylogenetic signals in seed morphological measurements
  + There will be significant differences between two linear models

# Methods

## Material

## Data Analysis

# Results

# Discussion

# Citation