Skeleton

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1 Introduction

What is a network?

What is turnover?

Previous studies

Why study turnover?

Why is it important to know climate impacts on turnover?

Why pollinator, why bees?

Flowchart

short summary of paper & results

2 Methods

Two datasets. How data was collected?

Climate data from?

Why use β -dissimilarity measure?

Explain β -dissimilarity measure?

How the different turnover measures are calculated - use table

why use sum of precipitation, the rest medians used due to skrewed distributions.

two climate models, test to see which climate model is better

Why use spearman to calculate correlation

Use Randomization/Monte Carlo to check p-value to show results correlation not random nor due to

How Monte Carlo was simulated

3 Results

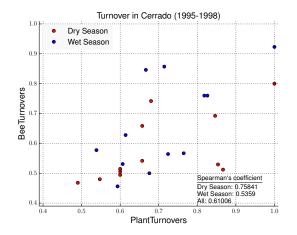
Abundance of bees, plants in both sites

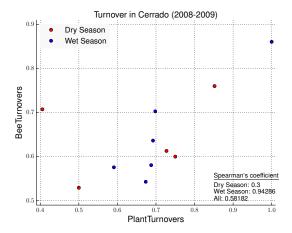
Amt of data points, amount of interactions, amount of unique interactions

Small sample size , use randomization to reduce sample bias, show that p-values of spearman test does not correspond with p-values generated from MonteCarlo

Bbee correlates with Bplant

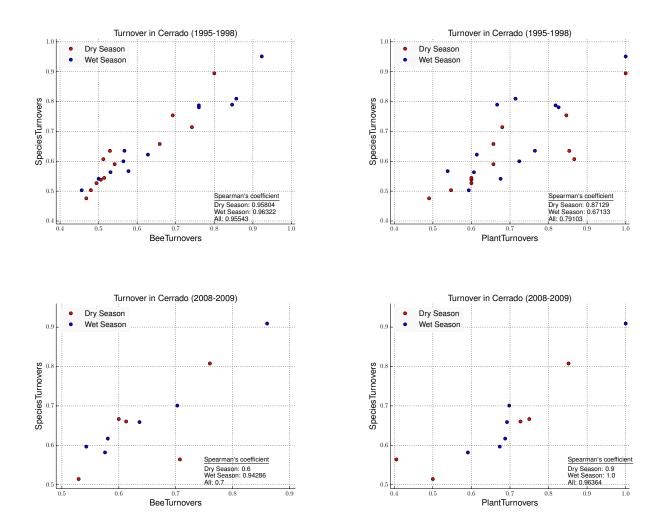
Low correlation in Cerrado (2008-2009) Dry Season, probably due to outlier and few data points.





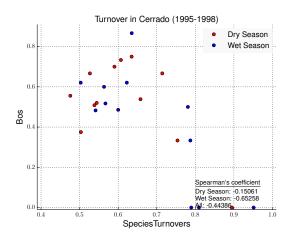
Bbee or Bplant drives Bs

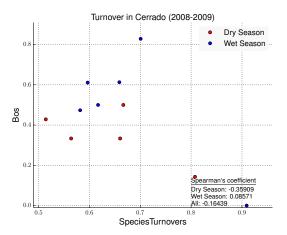
seems to be both

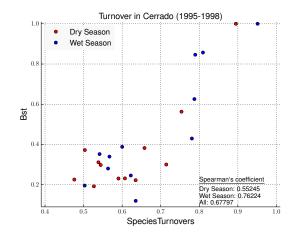


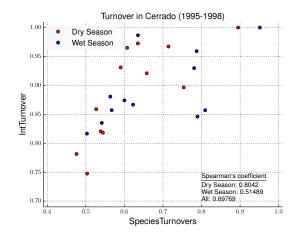
As expected, no clear pattern linking Bs to Bos

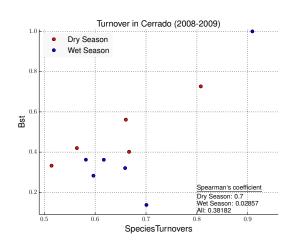
Interaction rewiring driven by factors different from those driving species turnover.

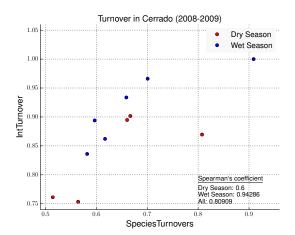












3.1 climate and turnovers

Difference in Climate between months and Average Climate between months show different patterns

Different measures, different variables/drivers
do i have to do correlation or just refer to supplementary?

clarify the two different models

Which model is better?

Bplant, Bbee and Bos correlate better with climate diff or climate Avg Wilcox test?

Which climatic factor best for Bplant, Bbee and Bos

Climatic factor best for Bplant and Bbee, same for Bs and Bst

diff climate factor for Bos vs Bst?

Can we use a climatic factor as predictor for Bint?

4 Discussion

Discuss results, why climatic factor would explain turnover

Limitations: Correlation does not relate to causation, but diff to conduct such experiments,

Future Research: more data, artic temperature comparisons

5 Supplementary Data

spearman test p-value & monte carlo p-values
add poster figure, how B-diversity is calculated example
all networks
correlation plots
all turnover values
all correlation values

