

# Ant Climate Project

## Climatic predictors correlation plots

Louis Bell-Roberts

August 21, 2023

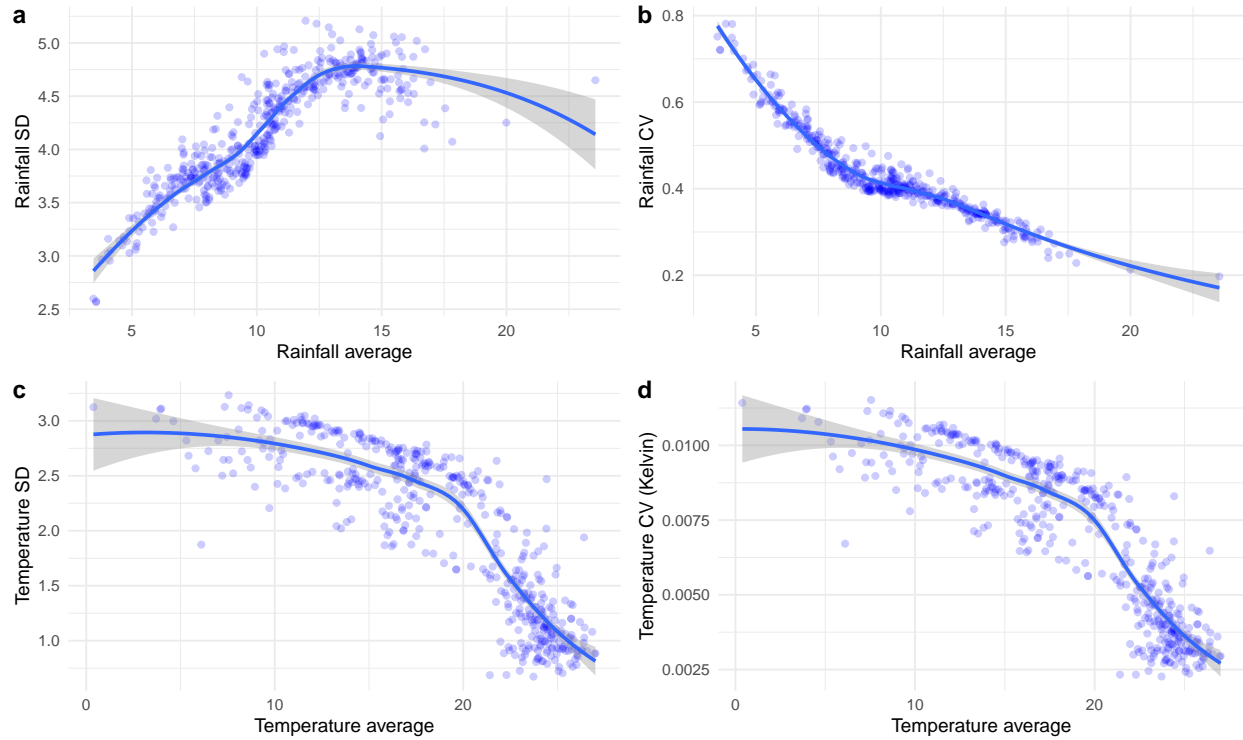
## Contents

<b>1</b>	<b>Plot climatic variables against each other to identify correlations</b>	<b>2</b>
1.1	Using all 474 species (global data)	2
1.2	Using different climatic regions	3
1.2.1	Tropical	3
1.2.2	Temperate	4
1.2.3	Both	5
1.3	Plots of TMPavg vs PREavg, TMPavg vs DTRavg, PREavg vs DTRavg	6

Read in the ant data and prepare the variables for path analysis (make the appropriate transformations). There are 474 species for which data is available for colony size and climatic variables, excluding special ants.

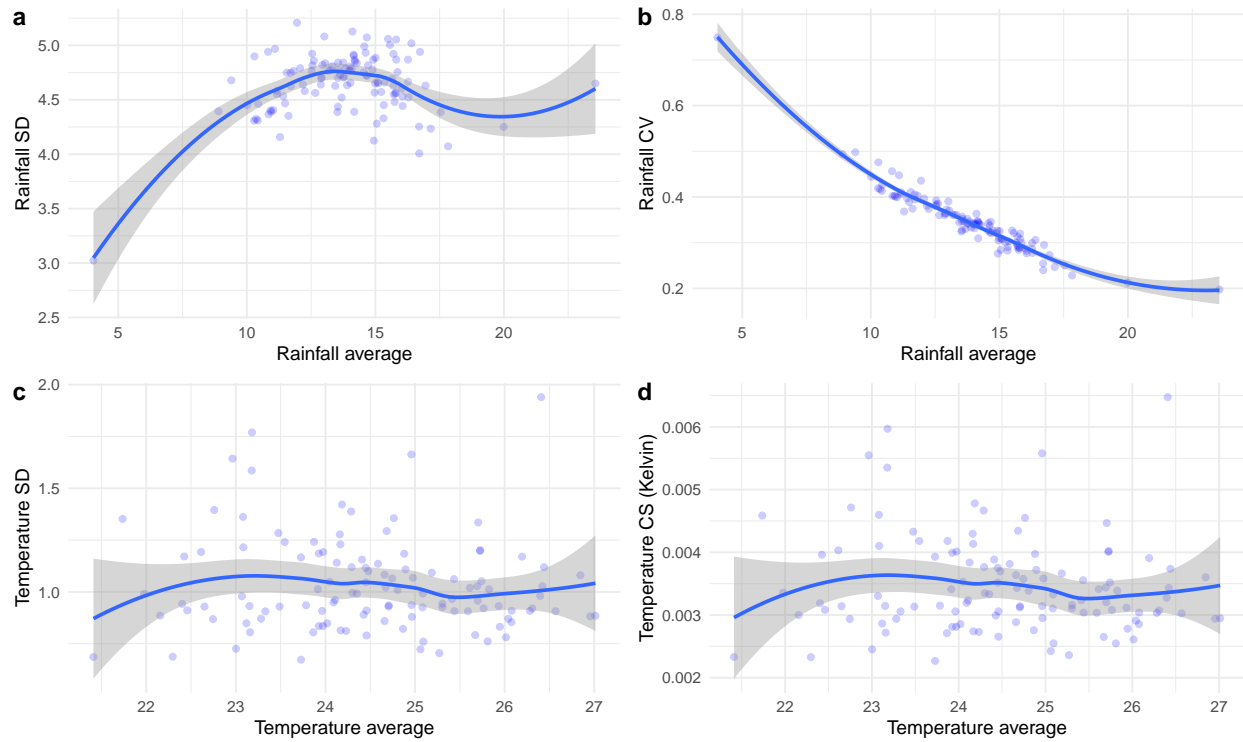
## 1 Plot climatic variables against each other to identify correlations

### 1.1 Using all 474 species (global data)

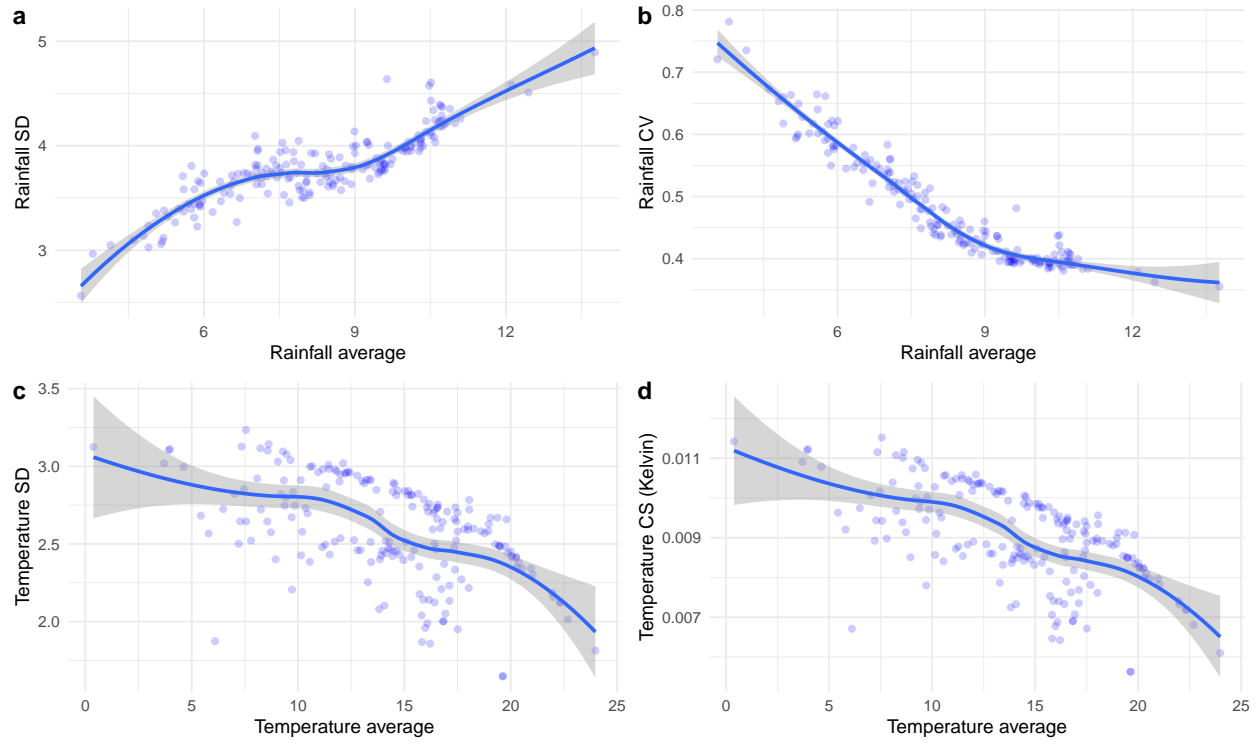


## 1.2 Using different climatic regions

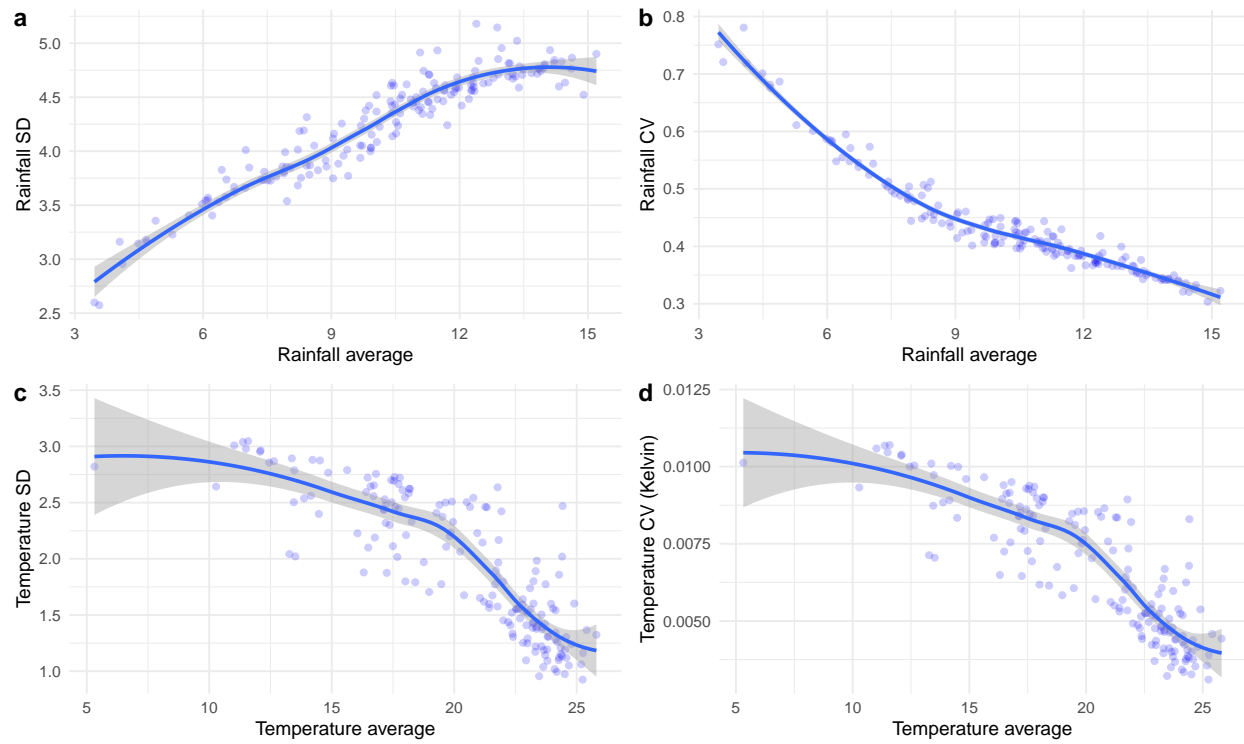
### 1.2.1 Tropical



### 1.2.2 Temperate



### 1.2.3 Both



### 1.3 Plots of TMPavg vs PREavg, TMPavg vs DTRavg, PREavg vs DTRavg

