

Introduction to ordination in R

Brad Duthie

8 July 2020

Contents

Ordination is a useful tool for visualising [multivariate data](#). These notes focus on explaining and demonstrating [principal component analysis](#) in the R programming language. Examples will use [morphological data](#) from [six species](#) of fig wasps in a community associated with the Sonoran Desert Rock Fig (*Ficus petiolaris*). These notes are also available as [PDF](#) and [DOCX](#) documents.

- [Introduction: What is ordination?](#)
 - [Principle Component Analysis: key concepts](#)
 - [Principle Component Analysis: matrix algebra](#)
 - [Fig wasp morphological data](#)
 - [Principle Component Analysis in R](#)
 - [Conclusions](#)
 - [Literature Cited](#)
-

Introduction: What is ordination?

Principle Component Analysis: key concepts

Principle Component Analysis: matrix algebra

Fig wasp morphological data

Principle Component Analysis in R

Conclusions

Literature cited