

Multivariate Analysis: what does link Salvador Dalì to ecological communities' monitoring?

Duccio Rocchini

Full Professor

Alma Mater Studiorum Università di Bologna

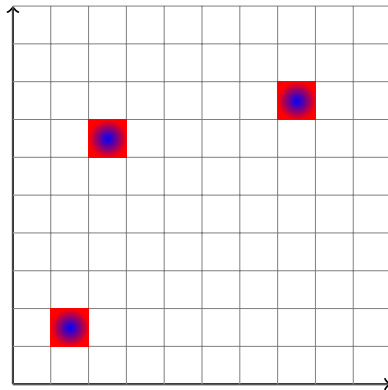
<https://www.unibo.it/sitoweb/duccio.rocchini>



Outline

- 1 In-situ data collection
- 2 Multivariate analysis
- 3 Dimensionality

In-situ data collection



In-situ data collection



*Parnassius
mnemosyne guccinii*

Plot 1: 13

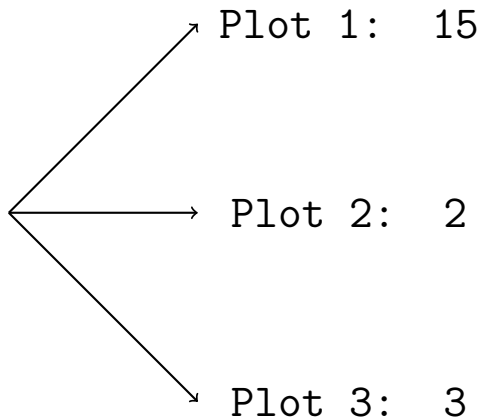
Plot 2: 1

Plot 3: 2

In-situ data collection



*Orchys
tenthredinifera*



In-situ data collection



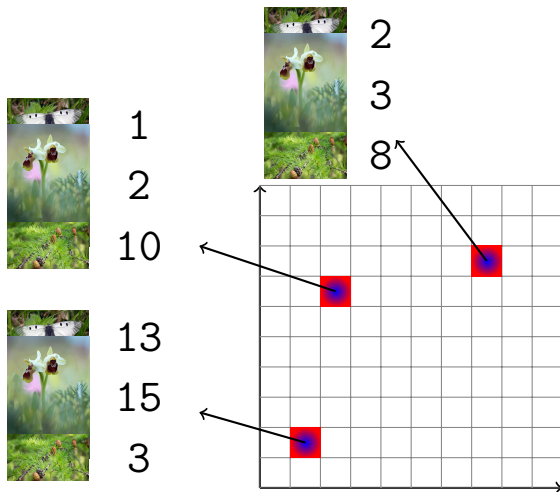
*Larix
decidua*

Plot 1: 3




Plot 2: 10

Plot 3: 8

In-situ data collection



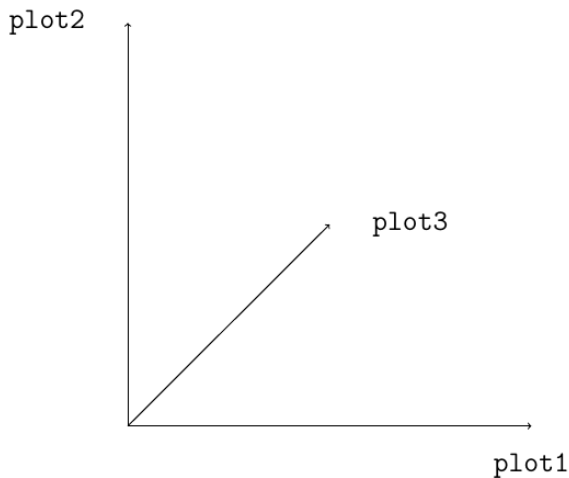
In-situ data collection

	Plot 1	Plot 2	Plot 3
	13	1	2
	15	2	3
	3	10	8

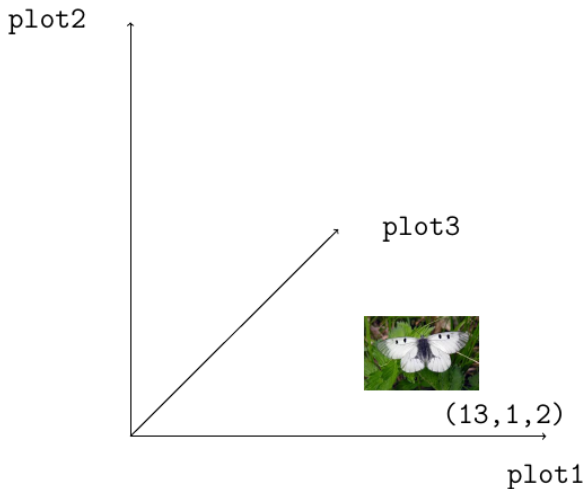
Outline

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- 2 Multivariate analysis**
- 3 Dimensionality

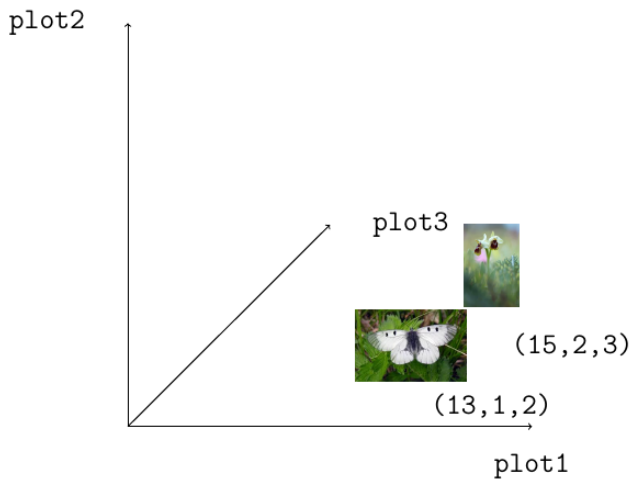
Multivariate analysis



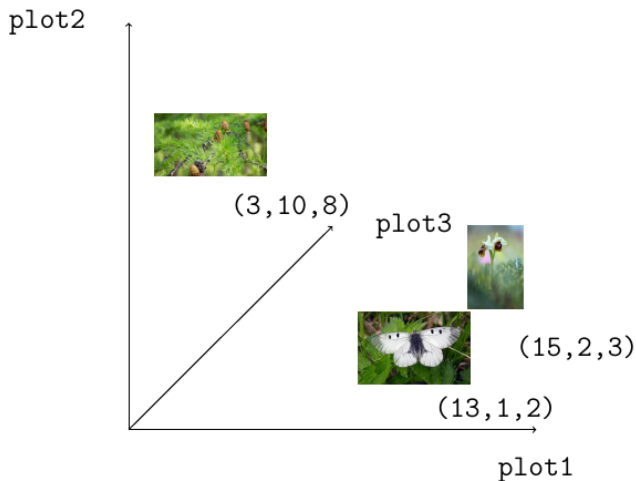
Multivariate analysis



Multivariate analysis



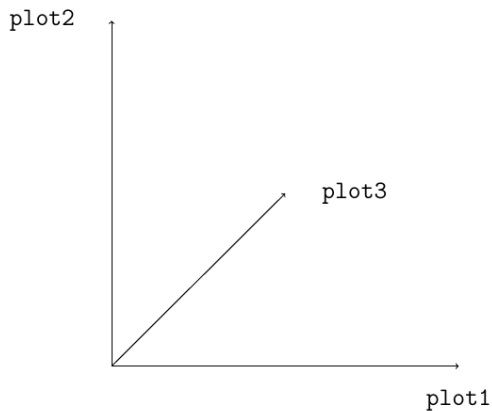
Multivariate analysis



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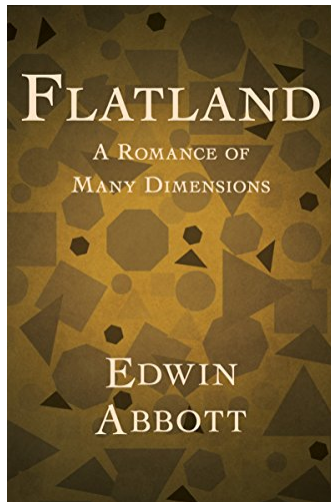
Dimensionality



4 plots?

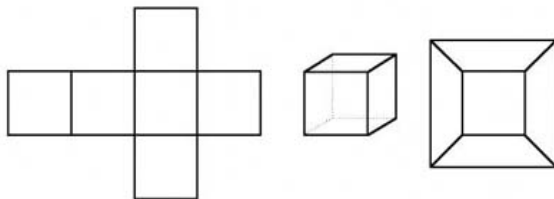
Dimensionality

For instance, let's reduce 3 dimensions to 2 dimensions...

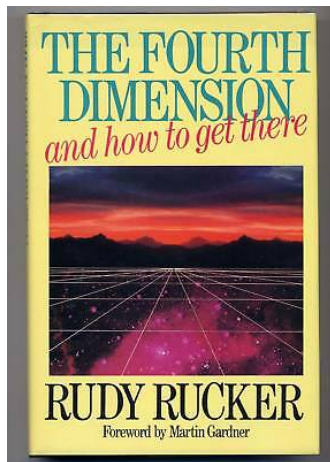


Dimensionality

For instance, let's reduce 3 dimensions to 2 dimensions...



Dimensionality



Dimensionality



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Rudy Rucker

La quarta dimensione

Un viaggio guidato negli universi di ordine superiore

Traduzione di Giuseppe Longo

Biblioteca Scientifica, 19

1994, 5ª ediz., pp. 287, 200 disegni

isbn: 9788845910753

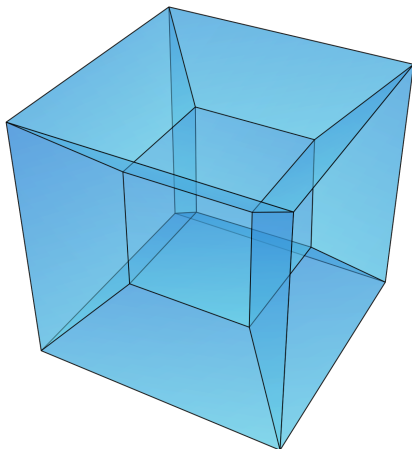
Temi: **Fisica**

€ 22,00 - *Temporaneamente non disponibile*

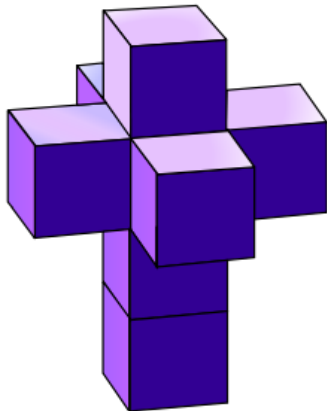
Condividi su:    

WISHLIST 

Dimensionality



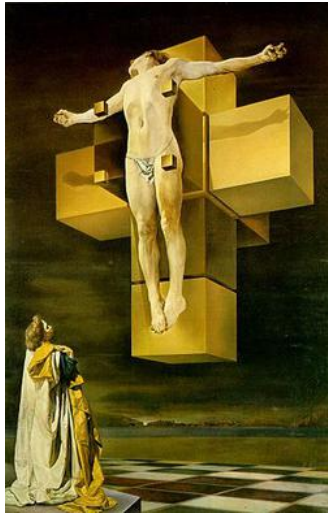
Dimensionality



Dimensionality



Dimensionality



Dimensionality



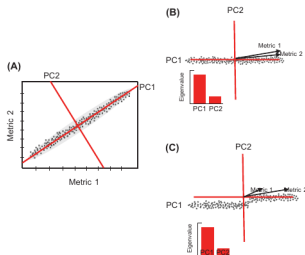
Dimensionality

ECOGRAPHY

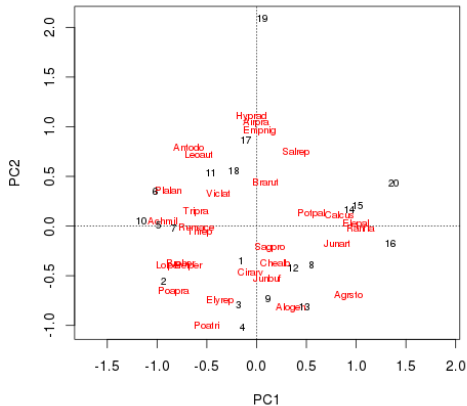
Research

Revisiting the dimensionality of biological diversity

Gabriel Nakamura, Larissa Oliveira Gonçalves and Leandro da Silva Duarte



Dimensionality





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