

IAVS-LAC

This Session

Data Shapes

From the field to the desk [Session 3]

Miguel Alvarez

5th May 2023



This Session

IAVS-LAC

This Session

Data Shapes

- Data Shapes
- ► Introduction to vegtable
- Assessing taxonomic information in plots



IAVS-LAC

This Session

Data Shapes



Vegetation-plot observation

Phytosociological relevés

- ► Abundance/presence of species in plot
- ► Environmental variables
- Species attributes
 - Life forms
 - Chorology
 - Functional traits
 - Taxonomy



IAVS-LAC

... served to the readers

Table 2 Table the inthinitie Basel and determined to Oband 1060

This Session

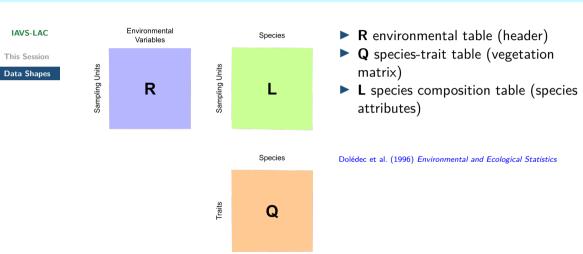
Data Shapes

... served to the statistical software

Riverbank composition: indicate abundant, lowe					0 cm Ø
Altitude (m asl)	160	225	1110	1055	505
Area (m²)	80	180	100	250	200
Slope (°)	0	0	0	10	0
Cover E, (%)	100	85	100	60	70
High shrub layer (m)	5-8	3-8	1-3	1-2	1 - 2.5
Riverbank composition	gsL	gS	rGS	RGS	rGS
Latitude	34° 03'	34° 22'	35° 02'	35° 02'	35° 42'
N. species	11	10	14	9	13
N. relevé	1	2	3	4	5
Baccharidetea / Salicetea species					
Baccharis salicifolia	1	3	3	3	4
Otholobium glandulosum	2	1			3
Cortaderia gr. selloana		r	1	+	1
Salix humboldtiana	4	4			
Tessaria absinthioides		3	4	3	+
Equisetum bogotense			2		1
Discaria trinervis			3		
Buddleja globosa			+		
Escallonia myrtoidea			+		
Myrceugenia lanceolata					

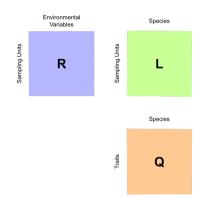
##	ŧ	Adesparv	Bromtris	Cardramo	
##	\$ 6216	1	1	1	
##	\$ 6217	0	1	0	
##	\$ 6218	0	0	0	
##	\$ 6219	0	0	0	
##	\$ 6220	0	0	0	
##	\$ 6221	0	0	0	
##	\$ 6222	0	0	0	
##	\$ 6359	0	0	0	
##	\$ 6360	0	1	1	
##	\$ 6361	0	1	0	
##	\$ 6362	0	1	0	
##	\$ 6523	0	1	0	
##	\$ 6524	0	1	0	
##	\$ 6574	0	0	0	
##	\$ 6575	0	0	0	
##	\$ 6576	0	1	1	
##	\$ 6577	0	0	0	
##	\$ 6578	0	0	0	
##	\$ 6579	0	0	0	
##	\$ 6580	0	0	0	
##	‡	Crasdecu	Dichseri		
#1	6216	1	1		



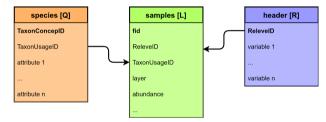




IAVS-LAC
This Session
Data Shapes



Relational database schema



- Efficient storage
 - ► Efficient data assessment?
- ► Little redundancy
- Consistency



IAVS-LAC

Vegetation matrix cross table

This Session

Data Shapes

Adesparv Bromtris Cardramo ## 6216 ## 6217 ## 6218 ## 6219 ## 6220 ## 6221 ## 6222 ## 6359 ## 6360 ## 6361 ## 6362 ## 6523 ## 6524 ## 6574 ## 6575 ## 6576 ## 6577 ## 6578 Crasdecu Dichseri ## 6216 ## 6217

Database list

column-oriented table

##		record_id	ReleveID	codename	cover
##	9329	137451	7993	Hypoglab	1
##	9330	137452	7993	Lythhyss	1
##	9331	137453	7993	Micrnana	1
##	9332	137454	7993	${\tt Piluamer}$	1
##	9333	137455	7993	Psilbrev	1
##	9335	137457	7993	Isolcern	2
##	9337	137459	7993	Plagsess	1
##	9338	137460	7994	Lythhyss	1
##	9339	137461	7994	Piluamer	1
##	9340	137462	7994	Psilbrev	1
##	9343	137465	7994	Plagsess	1
##	9344	137466	7994	Isoëhier	1
##	9345	137467	7258	Agrocapi	1
##	9346	137468	7258	${\tt Bromtris}$	1
##	9347	137469	7258	${\tt Erodmala}$	1
##	9348	137470	7258	Hypoglab	1
##	9349	137471	7258	Juncbufo	1
##	9350	137472	7258	Lepuspat	1



