Scientific workflows: report

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Abstract

it will be worth reading the report

Introdution

Writing is not easy and nobody wants to waste time inserting tables and figures in conventional text editors. Therefore, the use of tools that allow automation in text files such as latex and rmarkdown is essential. The learning curve is not as fast as in a conventional text editor, but believe me, it will be worth it.

The purpose of this work is just to show you how to make a manuscript using rmarkdown. It is important to remember that data does not speak for itself and needs context.

Material and Methods

We used data that is part of the CESTES data base to understand a bit more about species and the environment. The data was colected by de Bélair in 1981 and it was used in the work of Pavoine 2010.

The data represent an ecological plant community in a coastal marsh plain, La Mafragh (Ne Algeria) of 57 of species distributed in 97 sites. At each site, the following measurements were taken: Sites, Clay, Silt, Sand, K2O, Mg, Na100g, K, Elev.

Results

Variation of environmental variables across sites is something.

Table 1: Table 1. Mean and standard deviation of environmental metrics across sites

Variable	Mean (± std)
0.60	0.6 ± 0.02
0.30	0.3 ± 0.01
0.08	0.08 ± 0.01
1.32	1.32 ± 0.08
14.60	14.6 ± 0.58
7.56	7.56 ± 0.52
1.50	1.5 ± 0.1
3.21	3.21 ± 0.15

Most species are rare and a few species are very abundant.

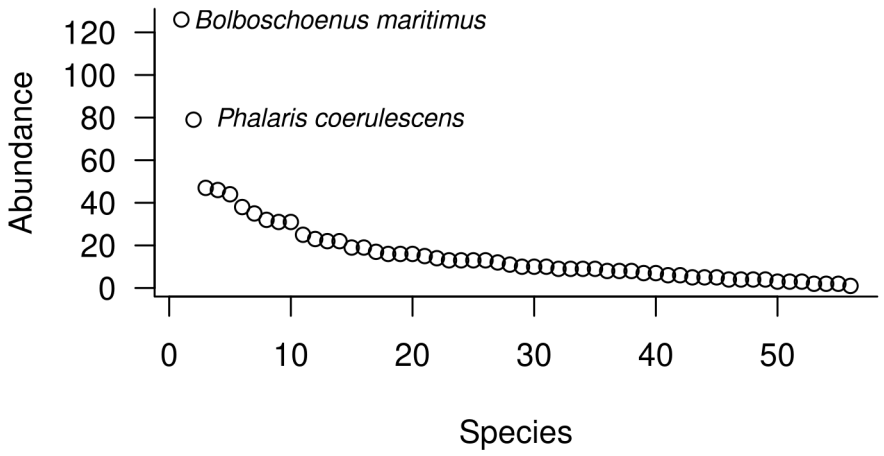

Figure 1: Figure 1. Species abundance distribution of a plant community in a coastal marsh plain, La Mafragh (Ne Algeria)

Discussion

It is time to synthesize your results and relate your findings with theory.

References

Here, I want to cite some of the papers I used in my dissertation, like:

Jiménez & Soberón (2020) Soares-Filho et al. (2006) Urbina-Cardona et al. (2019)

Jiménez, L., & Soberón, J. (2020). Leaving the area under the receiving operating characteristic curve behind: An evaluation method for species distribution modelling applications based on presence-only data. *Methods in Ecology and Evolution*, *11*(12), 1571–1586. doi: 10.1111/2041-210X.13479

Soares-Filho, B. S., Nepstad, D. C., Curran, L. M., Cerqueira, G. C., Garcia, R. A., Ramos, C. A., ... Schlesinger, P. (2006). Modelling conservation in the Amazon basin. *Nature*, *440*(7083), 520–523. doi: 10.1038/nature04389

Urbina-Cardona, N., Blair, M. E., Londoño, M. C., Loyola, R., Velásquez-Tibatá, J., & Morales-Devia, H. (2019). Species Distribution Modeling in Latin America: A 25-Year Retrospective Review. *Tropical Conservation Science*, *12*, 194008291985405. doi: 10.1177/1940082919854058