

The title

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Abstract

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Keywords: keywords

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Word count: X

The title

Introduction

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Materials and Methods

Data

Analyses

We used R for all analyses (R Core Team, 2018).

Results

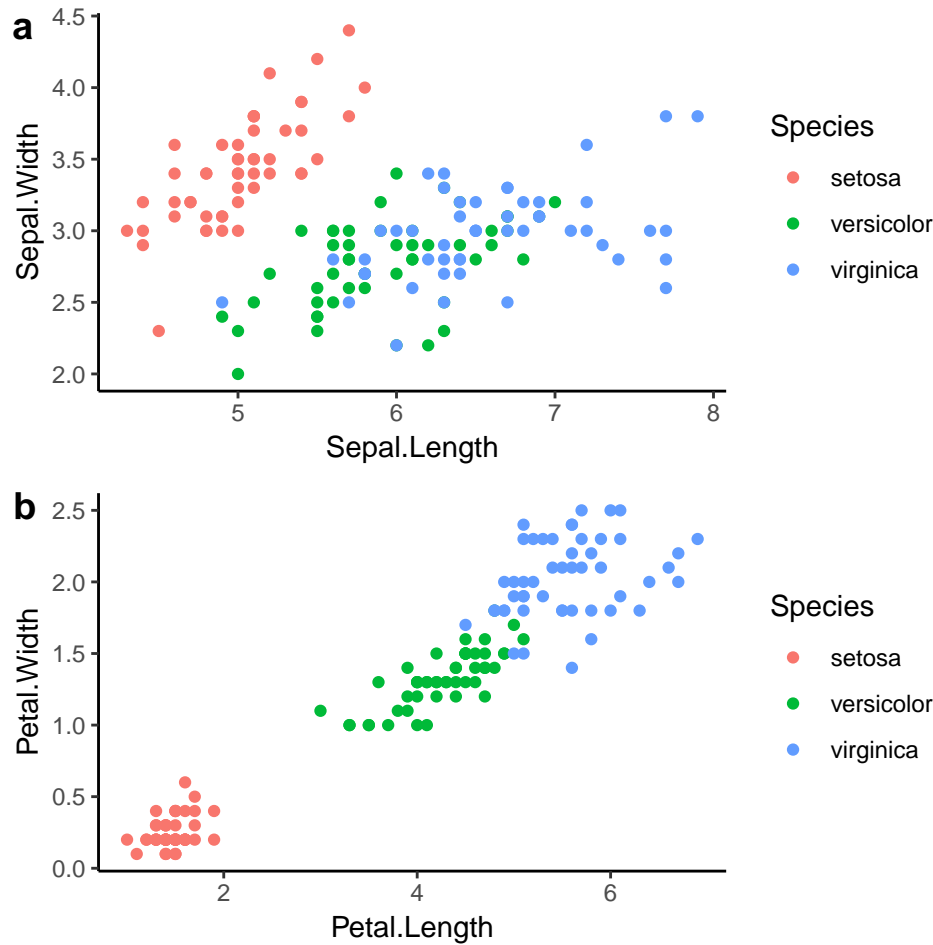


Figure 1. Sepals and petals in three *Iris* species. (a) Relationship between sepal length and width. (b) Relationship between petal length and width.

Table 1
Mean values for floral organ traits in three Iris species.

Species	Sepal.Length	Sepal.Width	Petal.Length	Petal.Width
setosa	5.006	3.428	1.462	0.246
versicolor	5.936	2.770	4.260	1.326
virginica	6.588	2.974	5.552	2.026

Length and width of sepals were not correlated ($r = -0.12$, $p = 0.15$, Figure 1a). In contrast, length and width of petals showed a strong positive correlation ($r = 0.96$, $p = 0.00$, figure 1b).

The mean species values for each trait are shown in table 1

Discussion

References

- 45
- 46 Aust F, Barth M. 2018. papaja: Create APA manuscripts with R Markdown.
- 47 Henry L, Wickham H. 2018. Purrr: Functional programming tools.
- 48 Müller K, Wickham H. 2018. Tibble: Simple data frames.
- 49 R Core Team. 2018. R: A language and environment for statistical computing. Vienna,
50 Austria: R Foundation for Statistical Computing.
- 51 Wickham H. 2018a. Forcats: Tools for working with categorical variables (factors).
- 52 Wickham H. 2018b. Stringr: Simple, consistent wrappers for common string operations.
- 53 Wickham H. 2017. Tidyverse: Easily install and load the 'tidyverse'.
- 54 Wickham H. 2016. Ggplot2: Elegant graphics for data analysis. Springer-Verlag New York.
- 55 Wickham H, François R, Henry L, Müller K. 2018. Dplyr: A grammar of data manipulation.
- 56 Wickham H, Henry L. 2018. Tidyr: Easily tidy data with 'spread()' and 'gather()' functions.
- 57 Wickham H, Hester J, François R. 2018. Readr: Read rectangular text data.
- 58 Wilke CO. 2018. Cowplot: Streamlined plot theme and plot annotations for 'ggplot2'.

Supplement

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60 Software used

61 We used R (Version 3.5.1; R Core Team, 2018) and the R-packages *cowplot* (Version
62 0.9.3; Wilke, 2018), *dplyr* (Version 0.7.8; Wickham, François, et al., 2018), *forcats* (Version
63 0.3.0; Wickham, 2018a), *ggplot2* (Version 3.1.0; Wickham, 2016), *papaja* (Version 0.1.0.9842;
64 Aust and Barth, 2018), *purrr* (Version 0.2.5; Henry and Wickham, 2018), *readr* (Version
65 1.2.1; Wickham, Hester, et al., 2018), *stringr* (Version 1.3.1; Wickham, 2018b), *tibble*
66 (Version 1.4.2; Müller and Wickham, 2018), *tidyr* (Version 0.8.2; Wickham and Henry, 2018),
67 and *tidyverse* (Version 1.2.1; Wickham, 2017) for all our analyses.