Example R Sweave Document for the LEC CEEDS Coding Group

January 6, 2026

Abstract

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Keywords: ...

1 Introduction

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2 Should you use R Sweave and/or Latex?

What is the purpose of the document?

Does your target journal accept pdf documents or tex documents?

Does you target journal have a latex template?

Converting a .tex document is possible, but the formatting is not perfect and will need manual adjustment, especially if you use complex tables.

If you are rejected by the target journal does you back-up journal accept pdf or tex documents?

Are you co-authors confortable: 1) collaborating using R Sweave and latex, and/or 2)s

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3 Pros and Cons

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4 Examples

A major benefit of authoring scientific documents, including with R Sweave, is the ability to integrate code
and text into a reproducible document.

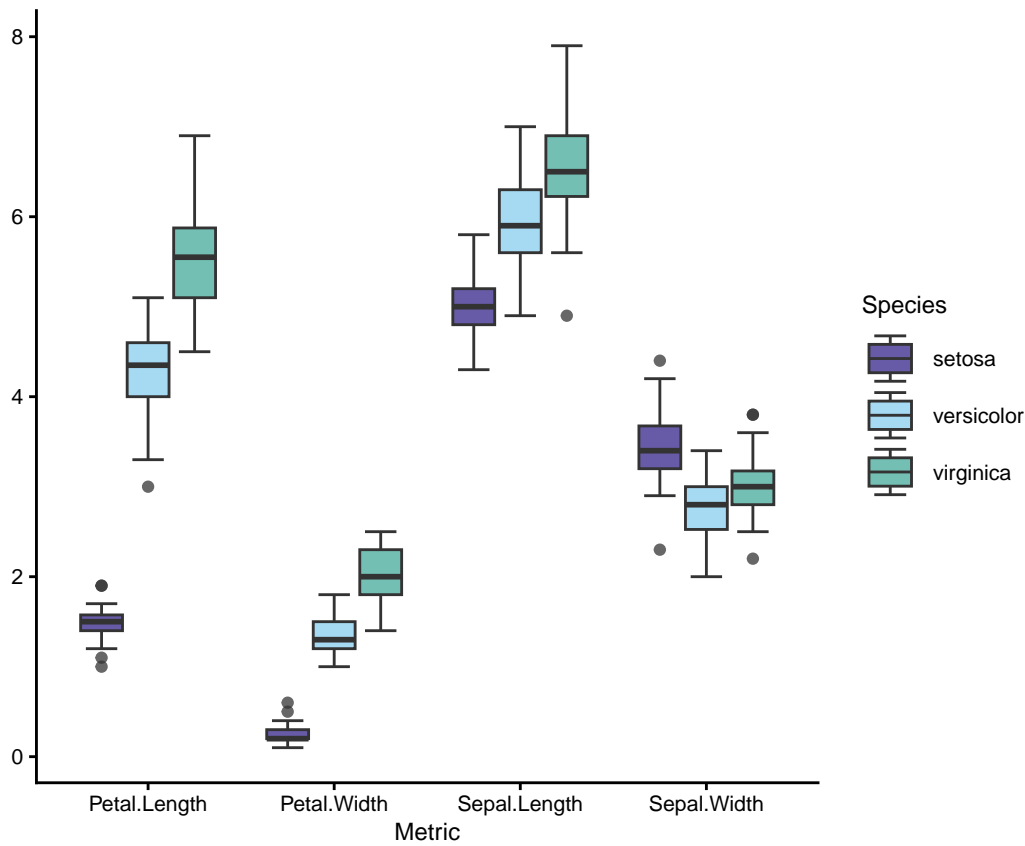Above we loaded and prepared the iris example dataset, below in **??** we produce a high-quality box plot which

Figure 1: .....

Table 1: The example dataset - Iris.

Species	Sepal.Length	Sepal.Width	Petal.Length	Petal.Width
setosa	5.1	3.5	1.4	0.2
setosa	4.9	3.0	1.4	0.2
setosa	4.7	3.2	1.3	0.2
setosa	4.6	3.1	1.5	0.2
setosa	5.0	3.6	1.4	0.2
setosa	5.4	3.9	1.7	0.4
setosa	4.6	3.4	1.4	0.3
setosa	5.0	3.4	1.5	0.2
setosa	4.4	2.9	1.4	0.2
setosa	4.9	3.1	1.5	0.1

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5 Useful Resources

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6 Conclusion

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7 Author Contributions

Redacted for anonymity.

8   Acknowledgments

Redacted for anonymity.

9   Conflict of interest

The authors declare no potential conflict of interests.