

bedeprog

BEDE Network

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Programming pedagogy for biological and environmental science instructors

This is a book by the [Biological and Environmental Data Education \(BEDE\) Network](#). It was written to support the many biology and environmental science instructors who teach programming but never received formal instruction themselves. Though the computer science pedagogy literature contains many evidence-based teaching techniques, the jargon and examples are rarely relevant to biology and environmental science contexts. Each chapter of this book distills one such technique using biology-friendly language and demonstrates how to apply the technique in lectures, labs, and/or assessments. We were inspired by James M. Lang's *Small Teaching* (Lang 2016), which encourages incremental improvements to instruction. Biology and environmental science instructors don't need to become computer science pedagogy experts overnight. Rather, our intention is to provide digestible resources for instructors to gradually improve the quality of their programming teaching.

Preface

This is a Quarto book.

To learn more about Quarto books visit <https://quarto.org/docs/books>.

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1 Introduction

This is a book created from markdown and executable code.

Part I

Part 1

Some unifying theme for the first few chapters

2 Chapter 1

A thing!

3 Chapter 2

A thing!

4 Chapter 3

A thing!

Part II

Part 2

Some unifying theme for the next few chapters

5 Chapter 4

A thing!

6 Chapter 5

A thing!

7 Chapter 6

A thing!

8 Conclusion

In summary, this book has no content whatsoever.

1 + 1

[1] 2

References

Lang, James M. 2016. *Small Teaching*. 1st ed. San Francisco, CA: Jossey-Bass.