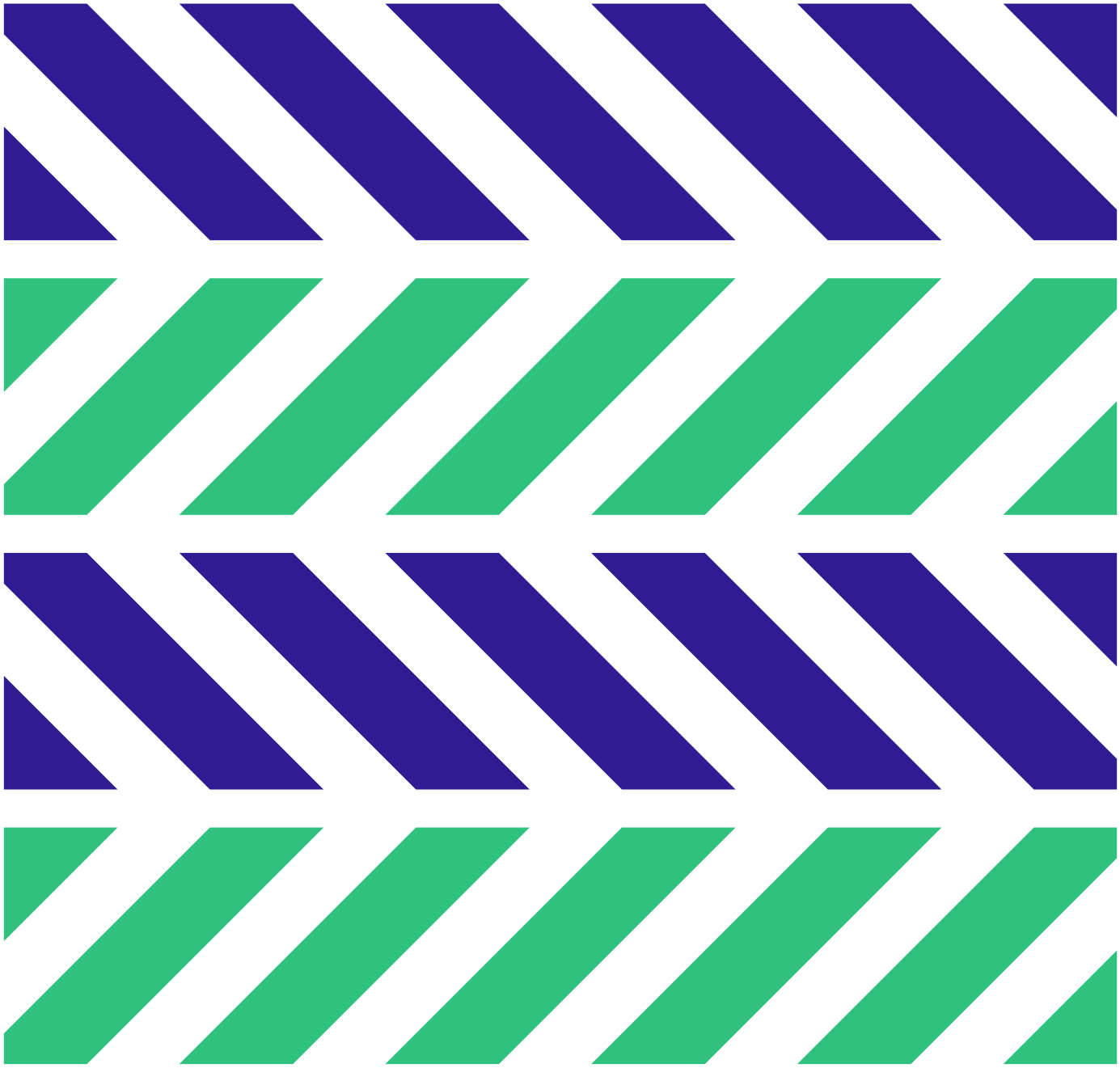
Biodose Tools

User Manual & Documentation

Alfredo Hernández



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Contents

About

This project in an app to be used by biological dosimetry laboratories. Biodose Tools is an open-source project that aims to be a tool to perform all different tests and calculations needed. The app is developed with R (R Core Team, 2019) together with Shiny (Chang et al., 2019) to offer an on-line, easy-to-use solution. Although the intention is to provide the application as a website, all R routines can be downloaded for improvement or personal use.

We also aim to clarify and explain the tests used and to propose those considered most appropriate. Each laboratory in its routine work should choose the optimum method, but the project aims to reach a consensus that will help us in case of mutual assistance or intercomparisons.

The project is initially developed by RENEB association, but contributions are always welcome.

Structure of the book

Acknowledgements

About the authors

Chapter 1. Introduction

You can label chapter and section titles using `{#label}` after them, e.g., we can reference Chapter 1. If you do not manually label them, there will be automatic labels anyway, e.g., Chapter **??**.

Part I.

Getting Biodose Tools

Chapter 2. Online

Here is a review of existing methods.

Part II.

Using Biodose Tools

Chapter 3. User Interface

We describe our methods in this chapter.

Part III.

Statistical Methods

Chapter 4. Applications

Some *significant* applications are demonstrated in this chapter.

4.1. Example one

4.2. Example two

Chapter 5. Final Words

We have finished a nice book.

Chapter A. Appendix A: Black Magic

References

Chang, W., Cheng, J., Allaire, J., Xie, Y., and McPherson, J. (2019). *shiny: Web Application Framework for R*. R package version 1.3.2.

R Core Team (2019). *R: A Language and Environment for Statistical Computing*. R Foundation for Statistical Computing, Vienna, Austria.