EMSC Quarto

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1 EMSC e-Course template

This is a template repository for Lecture notes that include a computational component. It builds a website from the notes and includes live-links to source code that will run on binder. This template is pre-configured for courses at Research School of Earth Sciences, but is freely available for adoption elsewhere.

I use the Quarto publication system which converts simple markdown formatted documents to webpages, pdf and slides. Quarto is designed to develop reusable content and is based around pandoc: you should be able to quickly import and convert content to the quarto version of markdown (especially if you have been using jupyter-book or myst-md - the concepts are very similar).

To use this repository, you will need make a fork for yourself and replace this content with your own. You will also need set a few configuration options to match the course metadata. I'm going to explain how this works.

Part I

Introduction

2 Introduction

This is a book created from markdown and executable code.

See Knuth (1984) for additional discussion of literate programming.

Part II

Details

3 Summary

In summary, this book has no content whatsoever.

References

Knuth, Donald E. 1984. "Literate Programming." *Comput. J.* 27 (2): 97–111. https://doi.org/10.1093/comjnl/27.2.97.

Part III

Slides

Lecture 1

Link to index of presentations

Index of notebooks:

A Test Notebook

```
for i in range(0,10):
    print(i)
```

B Quarto MD notebook

```
for i in range(0,10):
    print(i+1)
```

```
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```