

Thesis DOCAS

Format to write Thesis to PhD Antarctic and SubAntartic Science Program

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Preface

This is a Quarto book.

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

1 + 1

[1] 2

1 Introduction

This is a book created from markdown and executable code.

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

```
1 + 1
```

```
[1] 2
```

2 Methods

In summary, this book has no content whatsoever.

$1 + 1$

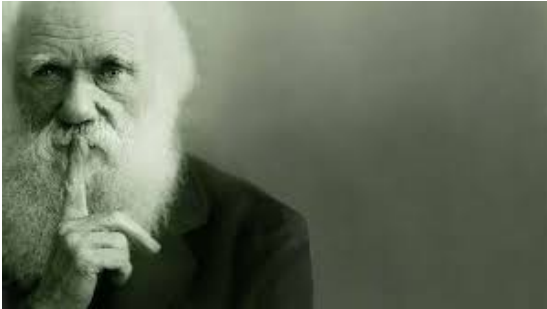
[1] 2

3 Summary

In summary, this book has no content whatsoever.

```
1 + 1
```

```
[1] 2
```



```
library(readr)
survey <- read_csv("data/ASAM_metadata_2021_v2_tidy_0.csv")
```

Rows: 286 Columns: 27

-- Column specification -----

Delimiter: ","

chr (25): Month (MON), Vessel, Contributor, Subarea, Survey name, Density es...

dbl (2): Year (yyyy), Frequency used for biomass estimate (kHz)

i Use `spec()` to retrieve the full column specification for this data.

i Specify the column types or set `show_col_types = FALSE` to quiet this message.

```
kableExtra::kable(head(survey))
```

Year (yyyy)	Month (MON)	Vessel	Contributor	Subarea	Survey name	Dens
1996	Dec	RRS James Clark Ross	UK	48.3	POETS-WCB JR17	31.7
1996	Dec	RRS James Clark Ross	UK	48.3	ECB JR17	96.3
1998	Jan	RRS James Clark Ross	UK	48.3	POETS-WCB JR28	38.9
1998	Jan	RRS James Clark Ross	UK	48.3	ECB JR28	427.
1999	Jan	RRS James Clark Ross	UK	48.3	POETS-WCB JR38	9.7
1998	Dec	RRS James Clark Ross	UK	48.3	ECB JR38	23.7

References

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