Test book with {brms}

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Preface

This is a Quarto book.

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

```r
library(tidyverse)

ggplot(penguins, aes(x = body_mass, fill = species)) +
  geom_density(alpha = 0.8) +
  scale_fill_viridis_d(option = "turbo", begin = 0.1, end = 0.9) +
  theme_minimal()
```
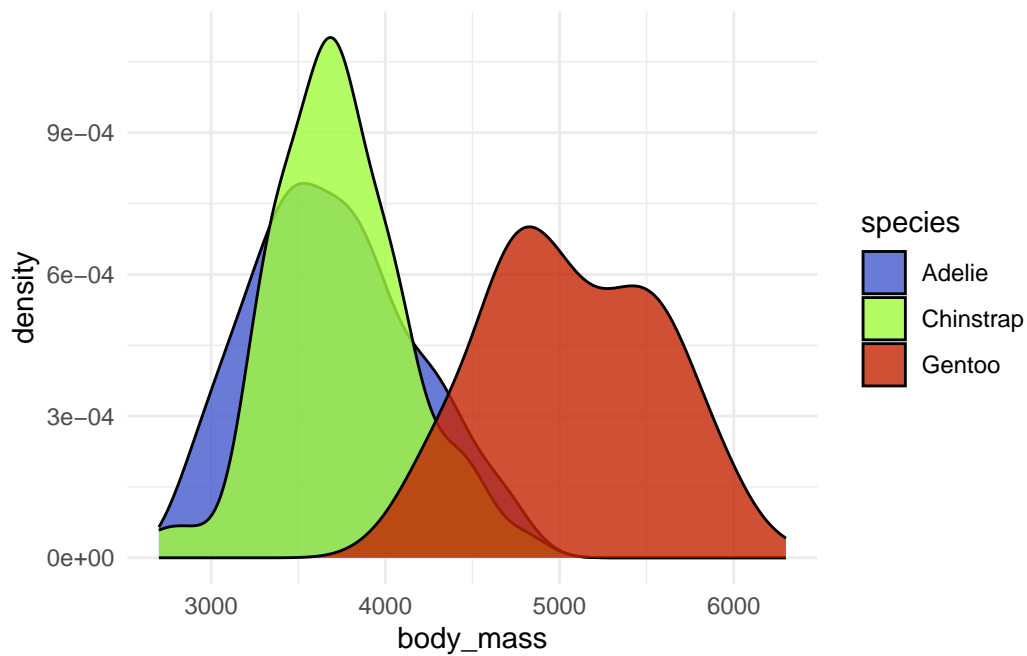
1 Introduction

This is a book created from markdown and executable code.

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

```
library(tidyverse)
library(brms)
library(tidybayes)
library(marginaleffects)
```

```
model <- brm(
  bf(body_mass ~ species),
  data = penguins,
  family = gaussian(),
  chains = 4, warmup = 1000, iter = 2000, seed = 1234,
  backend = "cmdstanr", cores = 4, threads = threading(2)
)
```

Here's Figure 1.1:

```
model |>
  predictions(newdata = datagrid(species = unique)) |>
  get_draws() |>
  ggplot(aes(x = draw, y = fct_rev(species), fill = species)) +
  stat_halfeye() +
  guides(fill = "none") +
  scale_fill_viridis_d(option = "turbo", begin = 0.1, end = 0.9) +
  theme_minimal()
```
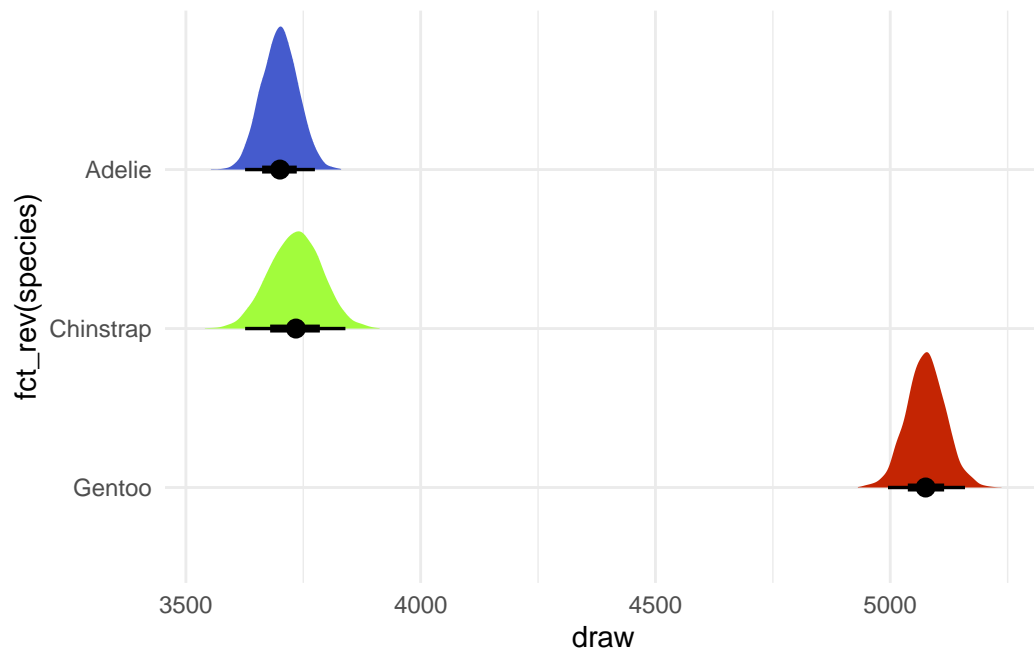
Figure 1.1

2 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.