Report template

Author names

Executive summary

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1 Introduction

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2 Methods

Text example that references Table 1.

Table 1: Passenger gender and class divisions on the Titanic. More 3rd class passengers were males seeking a better life.

Passenger class	female	male
1	94	122
2	76	108
3	144	347

3 Results

Text example that references Figure 1.

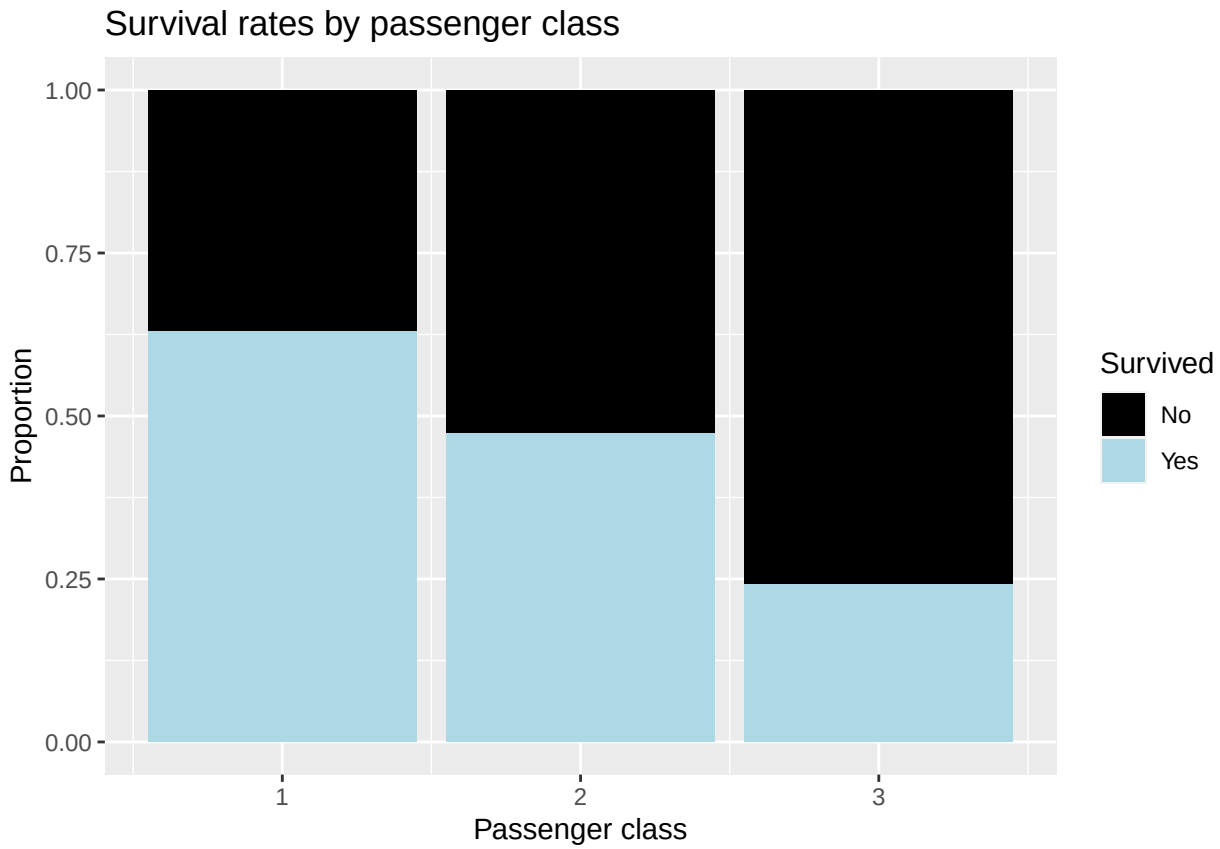

Figure 1: Survival rates across different passenger classes. This figure does not tell the full story as Table 1 shows that more of the lower class passengers were male.

4 Discussion

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Appendix

Notice how the appendix below gathers all the code blocks above and nicely pastes them together.

```
############################
# STYLE EDITS: IGNORE THIS
############################

# normally you'll want to include this with the libraries at the beginning of your document
knitr::opts_chunk$set(message = FALSE) # include this if you don't want markdown to knit messages
knitr::opts_chunk$set(warning = FALSE) # include this if you don't want markdown to knit warnings
knitr::opts_chunk$set(echo = FALSE) # set echo = FALSE to hide code from output

library(pander)
library(tidyverse)
library(reshape2)
library(kableExtra)
library(knitr)

# Titanic table

titantic <- read_csv(paste0("https://raw.githubusercontent.com/",
                            "benjaminleroy/stat315summer_data/",
                            "master/assignments/assignment03/titanic.csv"))
titantic %>% group_by(Pclass, Sex) %>%
  summarize(t = n()) %>% dcast(Pclass ~ Sex) %>%
  rename(`Passenger class` = Pclass) %>%
  kable(format = "latex",
        caption = paste("Passenger gender and class divisions on the Titanic.",
                        "More 3rd class passengers were males seeking a",
                        "better life."),
        booktabs = T) %>%
  kable_styling(latex_options = "HOLD_position")

# Titanic visual

titantic %>% ggplot() +
  geom_bar(aes(fill = factor(Survived,
                             levels = c(0,1),
                             labels = c("No", "Yes")), Pclass),
           position = "fill") +
  scale_fill_manual(values = c("black", "lightblue")) +
  labs(fill = "Survived",
       y = "Proportion",
       x = "Passenger class",
       title = "Survival rates by passenger class")
```