My Quarto WorkBook

Exercise 1, ARES40011 Fall 2025

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Task 1: Reflection

Put your reflection here

Task 2: Enhanced plot

When you knit this document, you will create and save a basic bar chart of hot dog eating contest winners. You will then open the resulting file in a vector editing program.

Be sure that you save your file **with a different name**. You don't want to accidentally overwrite all your enhancements and updates when you knit this document. That would be so sad.

```
library(tidyverse)
```

```
-- Attaching core tidyverse packages ------------------------ tidyverse 2.0.0 --
v dplyr     1.1.4     v readr     2.1.5
v forcats   1.0.0     v stringr   1.5.1
v ggplot2   3.5.1     v tibble    3.2.1
v lubridate 1.9.3     v tidyr     1.3.1
v purrr     1.0.2
-- Conflicts ------------------------------------------ tidyverse_conflicts() --
x dplyr::filter() masks stats::filter()
x dplyr::lag()    masks stats::lag()
i Use the conflicted package (<http://conflicted.r-lib.org/>) to force all conflicts to becor
```

```
library(svglite)

hotdogs <- read_csv("data/hot-dog-contest-winners.csv") |>
  rename(dogs = `Dogs eaten`, record = `New record`) |>
  mutate(record = factor(record))
```

```
Rows: 31 Columns: 5
-- Column specification --------------------------------------------------------
Delimiter: ","
chr (2): Winner, Country
dbl (3): Year, Dogs eaten, New record

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.
```

```
# Change the colors here if you want
# (or anything else if you want too)
plot_hotdogs <- ggplot(hotdogs,
                       aes(x = Year, y = dogs, fill = record)) +
  geom_col() +
  scale_fill_manual(values = c("grey80", "#FC7300")) +
  scale_x_continuous(breaks = seq(1980, 2010, 2),
                     expand = c(0, 0)) +
  scale_y_continuous(breaks = seq(0, 70, 10),
                     expand = c(0, 0)) +
  guides(fill = "none") +
  labs(y = "Hot dogs and buns", x = NULL) +
  theme_minimal() +
  theme(panel.background = element_rect(fill = "transparent", colour = NA),
        plot.background = element_rect(fill = "transparent", colour = NA),
        axis.ticks.x = element_line(linewidth = 0.25),
```

```
        panel.grid.major.x = element_blank(),
        panel.grid.major.y = element_line(linewidth = 0.5, linetype = "dashed"),
        panel.grid.minor = element_blank())

# Change the dimensions here if you want
ggsave(plot_hotdogs, filename = "hotdogs.pdf", device = cairo_pdf,
       width = 7, height = 4, units = "in", bg = "transparent")

ggsave(plot_hotdogs, filename = "hotdogs.svg",
       width = 7, height = 4, units = "in", bg = "transparent")
```