

Tutorial-09

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Quarto Basics and Scrollytelling

Learning Objectives

- Practice communicating your results using Quarto
 - Including practicing combining text, code, images and visualisations in the same document
- Practice communicating your key messages by writing about your plots
- Practice converting your Quarto into a storytelling document

Preparation

- We will use the energy and weather data again, and the plots we created in Workshop 6.

```
library(tidyverse)
library(here)
energy = read_csv("data/energydata.csv")
weather = read_csv("data/weather.csv")
energy_weather = full_join(energy, weather, by = c("Date", "State"))
```

```
energy_weather |>
  mutate(
    Day_type = if_else(Day %in% c("Sat", "Sun"),
                       "Weekend", "Weekday")
  ) |>
  ggplot(aes(x = MaxTemp, y = Demand, group = Day_type, col = Day_type)) +
  geom_point(alpha = 0.25) +
  geom_smooth() +
  facet_wrap(vars(State), scales = "free")
```

Task 1

- i. Create a Quarto document that contains the above plot (don't show your code)
- ii. Write a sentence above the plot about the key message
- iii. Below the plot write about the features of the plots and the key aesthetic mappings
- iv. Write about any of the secondary messages or other important details
- v. Write about any important caveats

Task 2

Turn your Quarto into a scroll based story.

- i. Create a copy of your Task 1 Quarto file.
- ii. Change the format to a `closerread-html`
- iii. Make the plot a sticky object by giving it an ID (for example `:::{#cr-myplot}`)
- iv. Add the headers `:::{.cr-section}` for where you want the scrolling to start and `:::` for where you want the scrolling to finish
- v. Inside your scrolly section, add the trigger for when you want your plot to appear and make the messages scroll by one at a time
- vi. Advanced: Add in other plots to improve the telling of this data story