Quarto HTML Basics

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Introduction

This a Quarto document. To learn more about Quarto see https://quarto.org.

Click the **Code** button in the header to see the full source code of this document.

Here we call the R `summary()` function—the function's output is included immediately below:

```
summary(cars)
```

```
     speed          dist
 Min.   : 4.0   Min.   :  2.00
 1st Qu.:12.0   1st Qu.: 26.00
 Median :15.0   Median : 36.00
 Mean   :15.4   Mean   : 42.98
 3rd Qu.:19.0   3rd Qu.: 56.00
 Max.   :25.0   Max.   :120.00
```
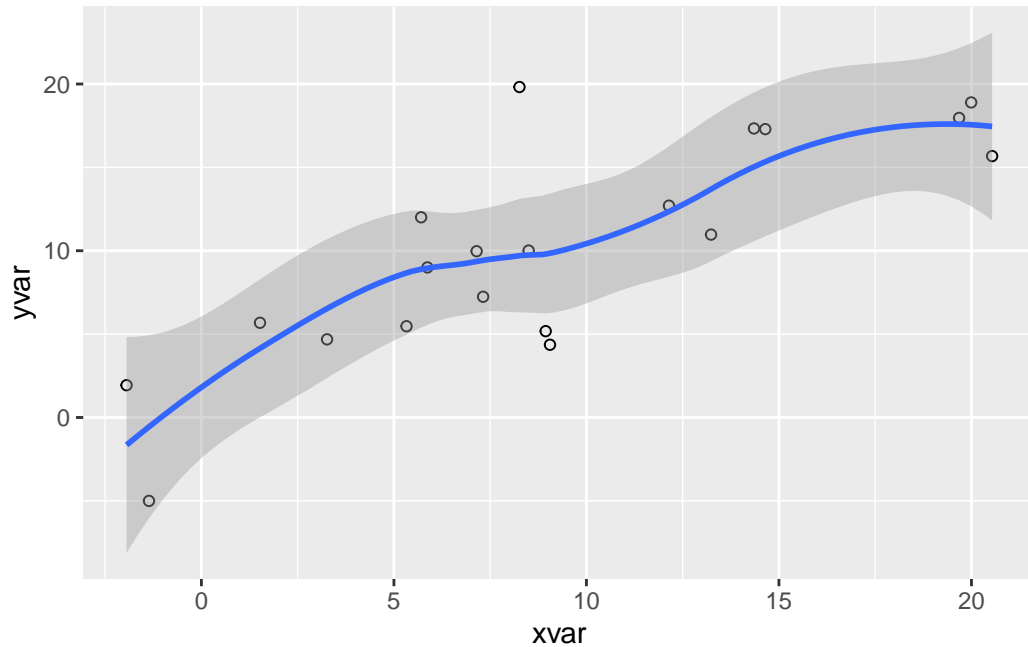
Figure 1: Pressure

Plot Output

You can also embed plots, for example:

```r
library(ggplot2)
dat <- data.frame(cond = rep(c("A", "B"), each=10),
                  xvar = 1:20 + rnorm(20,sd=3),
                  yvar = 1:20 + rnorm(20,sd=3))

ggplot(dat, aes(x=xvar, y=yvar)) +
    geom_point(shape=1) +
    geom_smooth()
```

Note that the `code-fold: true` parameter was added to the code chunk to hide the code by default (click "Code" above the plot to see the code).

The use of the `label` and `fig-cap` options make this a cross-referenceable figure (see Figure 1).

Interactivity

You can also add interactive plots. For example:

```r
library(dygraphs)
dygraph(nhtemp) %>%
  dyRangeSelector(dateWindow = c("1920-01-01", "1960-01-01"))
```

Tables

Use the `knitr::kable()` function to print tables as HTML:

```r
knitr::kable(head(ggplot2::diamonds))
```

carat	cut	color	clarity	depth	table	price	x	y	z
0.23	Ideal	E	SI2	61.5	55	326	3.95	3.98	2.43
0.21	Premium	E	SI1	59.8	61	326	3.89	3.84	2.31
0.23	Good	E	VS1	56.9	65	327	4.05	4.07	2.31
0.29	Premium	I	VS2	62.4	58	334	4.20	4.23	2.63
0.31	Good	J	SI2	63.3	58	335	4.34	4.35	2.75
0.24	Very Good	J	VVS2	62.8	57	336	3.94	3.96	2.48

LaTeX Math
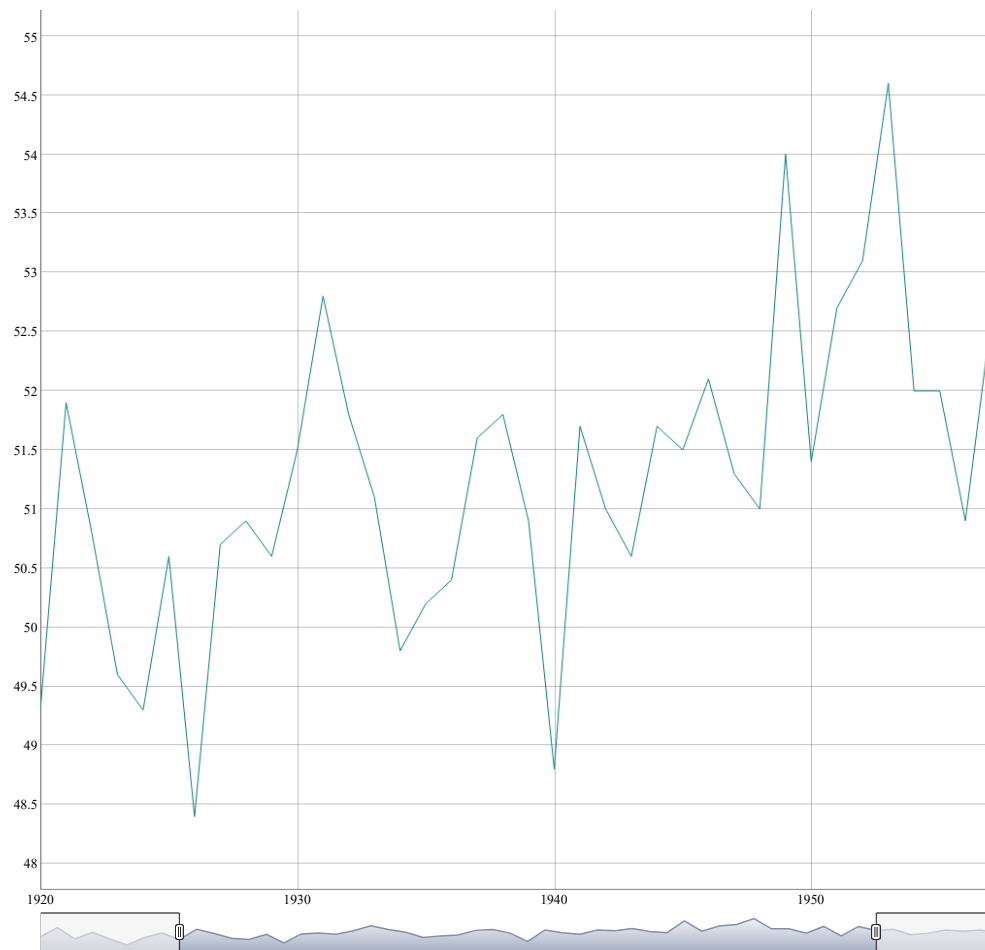
You can also include LaTeX math:

$$P\left(A = 2 \left| \frac{A^2}{B} > 4 \right.\right)$$

Figure 2: New Haven Temperatures