

Template

STAE04/DABN19: Data Visualization

Your Name

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1 Introduction

In Table 1, we outline the properties of some presidents from the USA.

Table 1: Properties of some presidents in the US and their terms.

Name	Party	Start of term	End of term
Dwight D. Eisenhower	Republican	1953	1961
John F. Kennedy	Democratic	1961	1963
Lyndon B. Johnson	Demoratic	1963	1969
Richard Nixon	Republican	1969	1974

We could also make a neatly formatted table directly from R, using `knitr::kable()`! See the result in Table 2.

```
library(tidyverse)

# Pull some data from the presidential data set
presidential %>%
  head(4) %>%
  knitr::kable(
    format = "pipe", # works well for both latex and html output
    caption = "The terms of some presidents in the US."
  )
```

Table 2: The terms of some presidents in the US.

name	start	end	party
Eisenhower	1953-01-20	1961-01-20	Republican
Kennedy	1961-01-20	1963-11-22	Democratic
Johnson	1963-11-22	1969-01-20	Democratic
Nixon	1969-01-20	1974-08-09	Republican

To wrap up our investigation of US presidents, let's create a plot outlining the terms of some of the presidents (Figure 1).

```

presidential %>%
  head(9) %>%
  mutate(order = 1:n(),
         name = reorder(name, order)) %>%
  ggplot(aes(xmin = start, xmax = end, y = name, color = party)) +
  geom_linerange() +
  scale_color_manual(values = c("navy", "red")) +
  labs(y = "President", x = "Time", color = NULL) +
  theme_minimal(base_size = 10) +
  theme(legend.pos = c(0.85, 0.25))

```

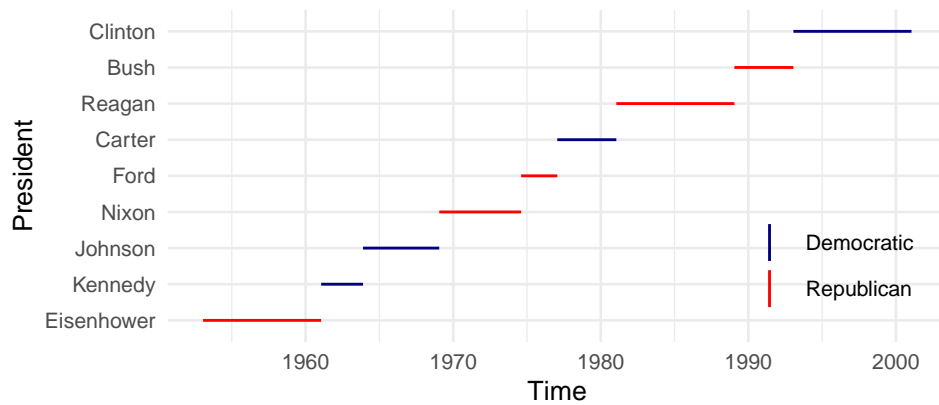


Figure 1: The terms of some presidents in the US.