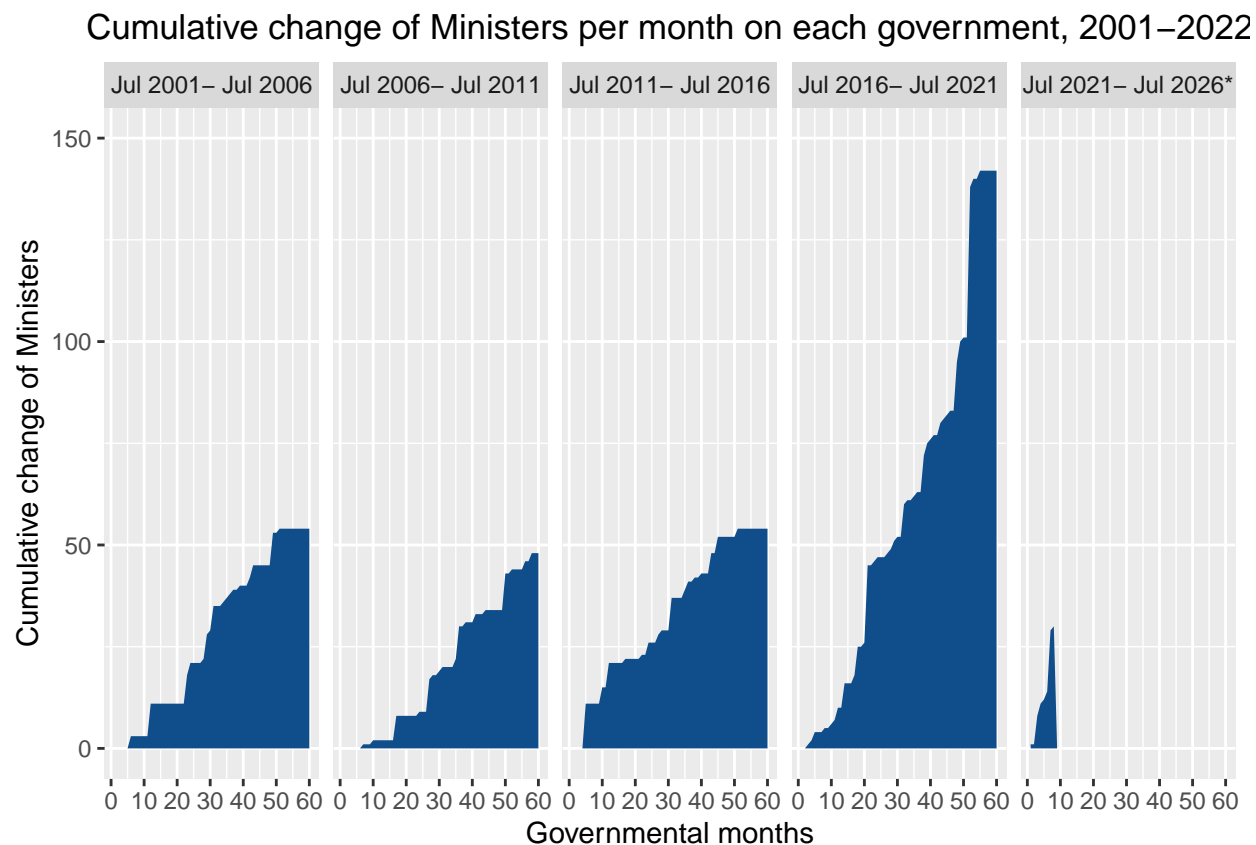# Peru: Plotting cumulative change of Ministers vs proportion of seats in Congress, 2001-2022

Oscar Cuadros

Plotting cumulative change of Ministers, 2001-2022

```
data_peru1 %>%
  ggplot(aes(N_month, Cumulative)) +
  geom_area(fill = "dodgerblue4") +
  xlab("Governmental months") +
  ylab("Cumulative change of Ministers") +
  ggtitle("Cumulative change of Ministers per month on each government, 2001-2022") +
  facet_wrap(vars(`Government_period`), strip.position = "top", nrow = 1) +
  theme(plot.title = element_text(hjust = 0.5)) +
  scale_x_continuous(breaks = seq(from = 0, to = 60, by = 10)) +
  ylim(0, 150)
```

Plotting proportion of seats in Congress, 2001-2022

```
data_peru_cong %>%
  ggplot(aes(x = President, y = Proportion)) +
  geom_col(aes(fill = Seats)) +
  ggtitle("Proportion of seats in Congress, 2001-2022") +
  theme(plot.title = element_text(hjust = 0.5)) +
  geom_abline(slope=0, intercept=0.34,  col = "red", lty=5, size=0.73) +
  scale_fill_manual(values = c("grey60", "dodgerblue4") ) +
  labs(x = "Presidents", y = "Proportion")+
  coord_flip()
```