

Tidy-week13

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3/25/2021

```
rollcall_votes <- unvotes %>%
  left_join(roll_calls, by = 'rcid') %>%
  mutate(year = lubridate::year(date))

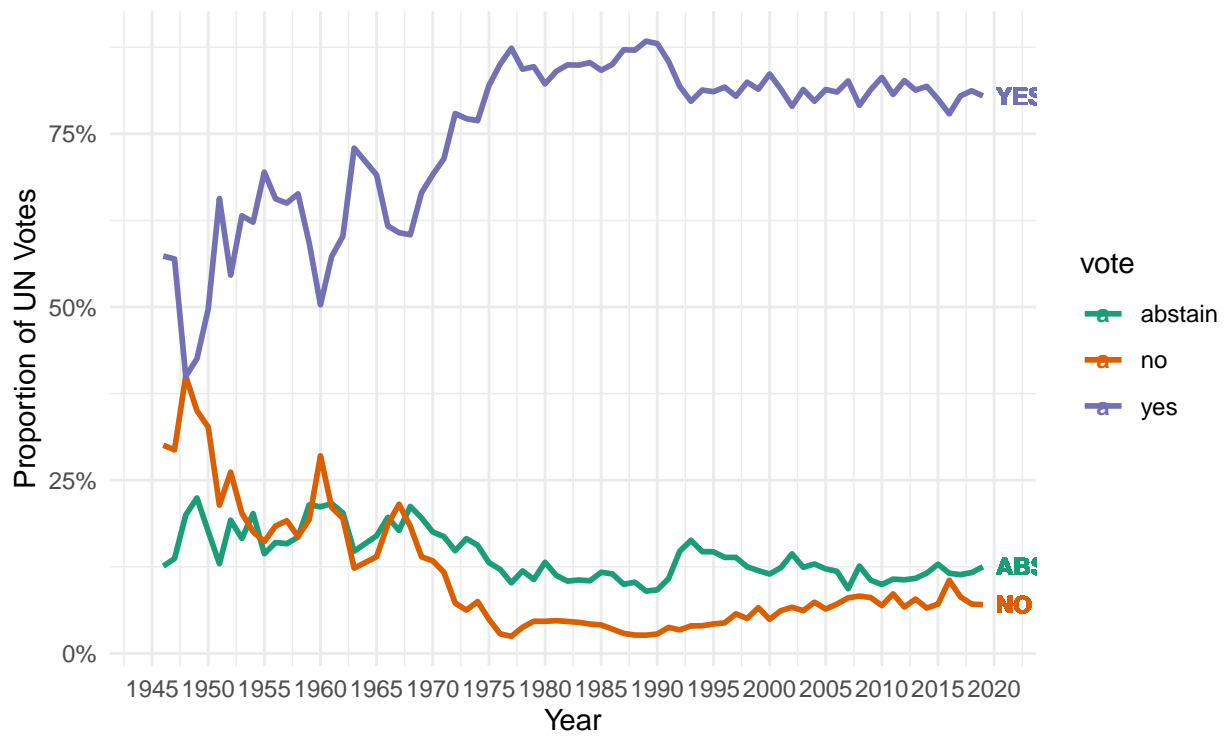
color <- RColorBrewer::brewer.pal(3, 'Dark2')

rollcall_votes %>%
  group_by(year) %>%
  mutate(n_year = n()) %>%
  group_by(year, vote) %>%
  summarise(prop_vote = n()/n_year,
            sd = sqrt((prop_vote * (1 - prop_vote)) / n_year),
            ul = prop_vote + (1.96 * sd),
            ll = prop_vote - (1.96 * sd)) %>%
  mutate(y_t = ifelse(year == 2019, prop_vote, NA)) %>%
  ggplot(aes(x = year, y = prop_vote, col = vote)) +
  geom_line(size = 1) +
  geom_text(aes(y = y_t, label = paste0(" ", str_to_upper(vote))),
            fontface = "bold",
            hjust = 0,
            size = 3) +
  scale_y_continuous(labels = scales::percent) +
  scale_x_continuous(guide = guide_axis(check.overlap = T),
                    n.breaks = 20,
                    limits = c(1945, 2020)) +
  scale_color_manual(values = color, aesthetics = "color") +
  theme_minimal() +
  labs(y = "Proportion of UN Votes",
       x = "Year",
       title = "Trend of UN Votes during 1946-2019",
       caption = str_c("Created by: Xingnuo Zhang, U of T\n",
                       "Data source: Harvard's Dataverse"))
```

`summarise()` has grouped output by 'year', 'vote'. You can override using the `.groups` argument.

Warning: Removed 853763 rows containing missing values (geom_text).

Trend of UN Votes during 1946–2019



Created by: Xingnuo Zhang, U of T
Data source: Harvard's Dataverse