2021 olympics

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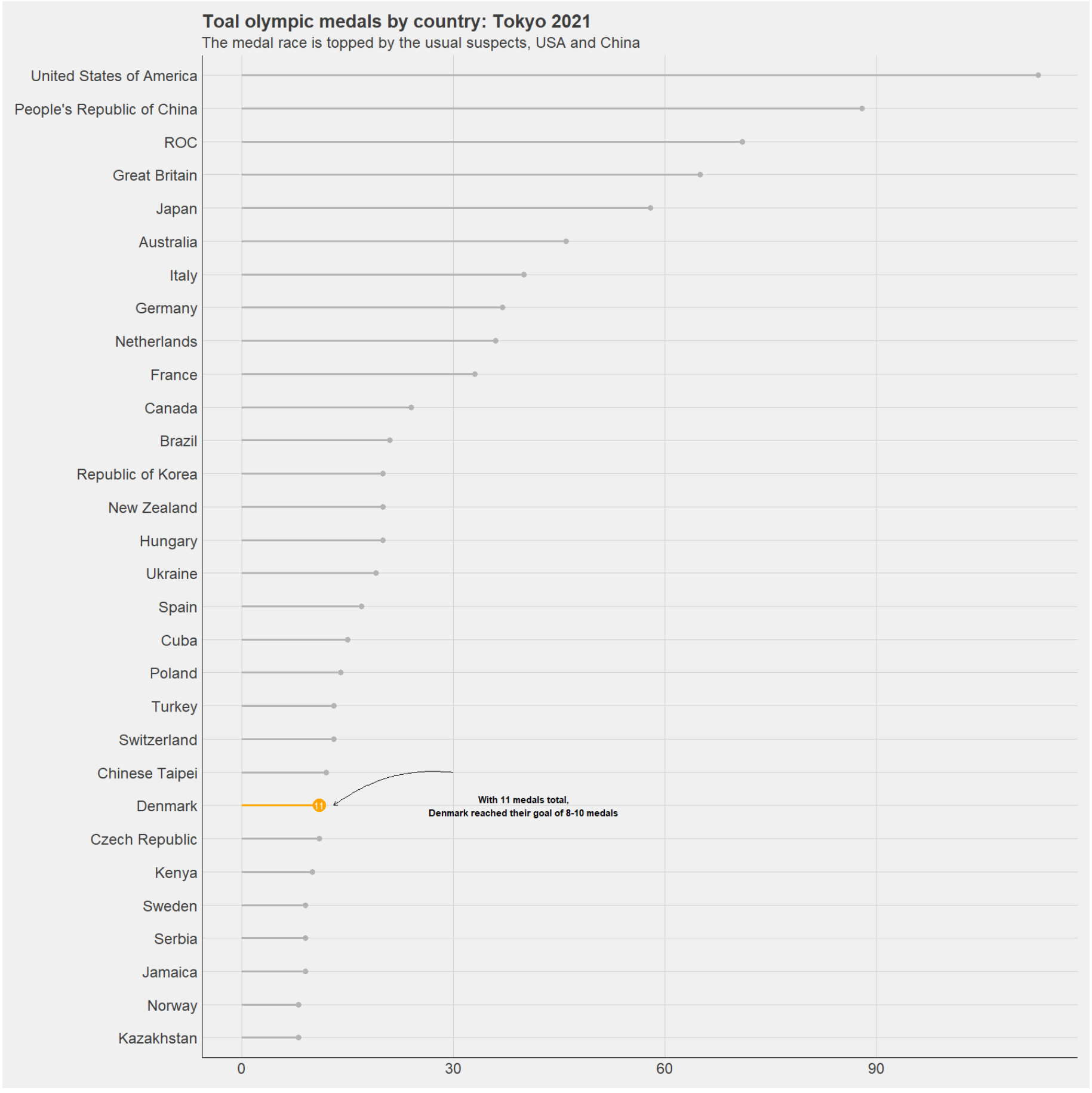
Import data

Total medals per country

```
medals_30 <-
  medals %>%
  mutate(
    team_noc = fct_reorder(team_noc, total)
  ) %>%
  slice_max(team_noc, n = 30)

medals_30 %>%
  ggplot(aes(team_noc, total)) +
  geom_segment(aes(x = team_noc, xend = team_noc, y = 0, yend = total),
    color = if_else(medals_30$team_noc == "Denmark", "orange", "grey70"),
    size = 1.2, color = "grey70"
  ) +
  geom_point(aes(team_noc, total),
    color = if_else(medals_30$team_noc == "Denmark", "orange", "grey70"),
    size = if_else(medals_30$team_noc == "Denmark", 7, 3)
  ) +
  geom_text(aes(team_noc, total, label = if_else(team_noc == "Denmark", total, NULL)), color = "white") +
  coord_flip() +
  labs(
    y = NULL,
    x = NULL,
    title = "Toal olympic medals by country: Tokyo 2021",
    subtitle = "The medal race is topped by the usual suspects, USA and China"
  ) +
  annotate("text", x = 8, y = 40, label = "With 11 medals total,\nDenmark reached their goal of 8-10 medals", fontfac
  annotate(
    geom = "curve", x = 9, y = 30, xend = 8, yend = 13,
    curvature = .2, arrow = arrow(length = unit(2, "mm"))
  ) +
  theme_fivethirtyeight() +
  theme_custom
```



Detailed overview in table

```
medals %>%
  datatable() %>%
  formatStyle(
    columns = "gold",
    backgroundColor = "gold"
  ) %>%
  formatStyle("silver", backgroundColor = "silver") %>%
  formatStyle("bronze", backgroundColor = "orange")
```

Show 10 entries Search:

	rank	team_noc	gold	silver	bronze	total	rank_by_total
1	1	United States of America	39	41	33	113	1
2	2	People's Republic of China	38	32	18	88	2
3	3	Japan	27	14	17	58	5
4	4	Great Britain	22	21	22	65	4
5	5	ROC	20	28	23	71	3

	rank	team_noc	gold	silver	bronze	total	rank_by_total
6	6	Australia	17	7	22	46	6
7	7	Netherlands	10	12	14	36	9
8	8	France	10	12	11	33	10
9	9	Germany	10	11	16	37	8
10	10	Italy	10	10	20	40	7

Showing 1 to 10 of 93 entries

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Plot of top 10 total medals per countries compared to top 10 total medals countries per capita. Maybe a circular barplot?

```
country_rank <-
population %>%
  filter(year == 2013) %>%
  left_join(medals %>%
    rename(country = team_noc) %>%
    mutate(
      country = str_replace_all(country, c(
        "ROC" = "Russia",
        "Great Britain" = "United Kingdom of Great Britain and Northern Ireland",
        "People's Republic of China" = "China"
      )), by = "country"
    )) %>%
  drop_na() %>%
  mutate(
    medals_per_capita = (total / population) * 1e8,
    rank_mpc = dense_rank(desc(medals_per_capita)),
    name_rank = str_c(country, rank_mpc, sep = " ")
  )


country_rank %>%
  slice_min(rank_by_total, n = 10) %>%
  mutate(group = factor("Most medals total top 10")) %>%
  bind_rows(country_rank %>%
    slice_max(medals_per_capita, n = 10) %>%
    mutate(group = "Most medal per capita top 10")) %>%
  bind_rows(country_rank %>%
    filter(country == "Denmark") %>%
    mutate(group = "Denmark")) %>%
  group_by(group) %>%
  mutate(country = fct_reorder(country, medals_per_capita)) %>%
  ggplot(aes(country, medals_per_capita, fill = group)) +
  geom_col(position = "dodge", color = "black", alpha = .7) +
  geom_richtext(aes(country, medals_per_capita - 10, label = name_rank), angle = 90, alpha = .7) + # TODO fix circula
  coord_polar() +
  theme_fivethirtyeight() +
  scale_fill_manual(
    values = c("#E22800", "darkorange", "skyblue"),
  ) +
  scale_y_log10() +
  labs(
    fill = NULL,
    title = "Medals per 100 mio. capita",
    subtitle = "Comparison between the top 10 countries based on total\nmedals and top 10 countries based on most med
  ) +
  theme(axis.text.x = element_blank())
```

Medals per 100 mio. capita

Comparison between the top 10 countries based on total medals and top 10 countries based on most medals per capita