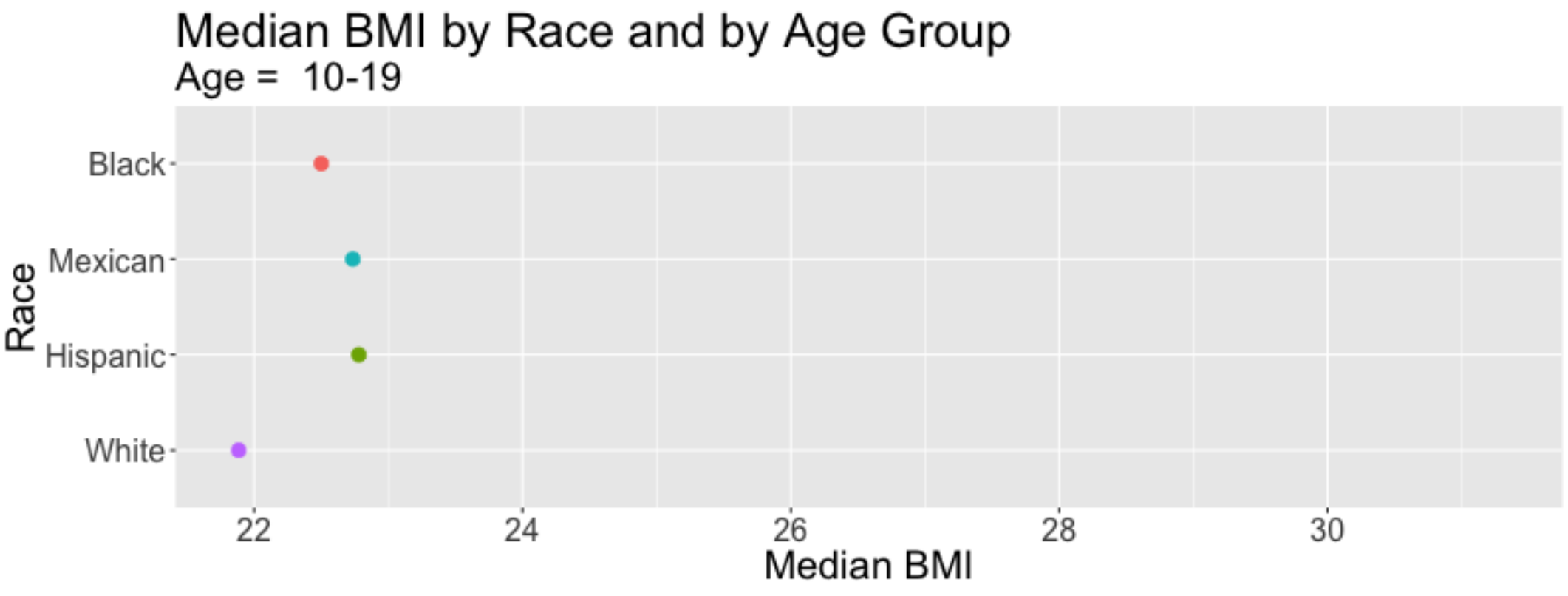
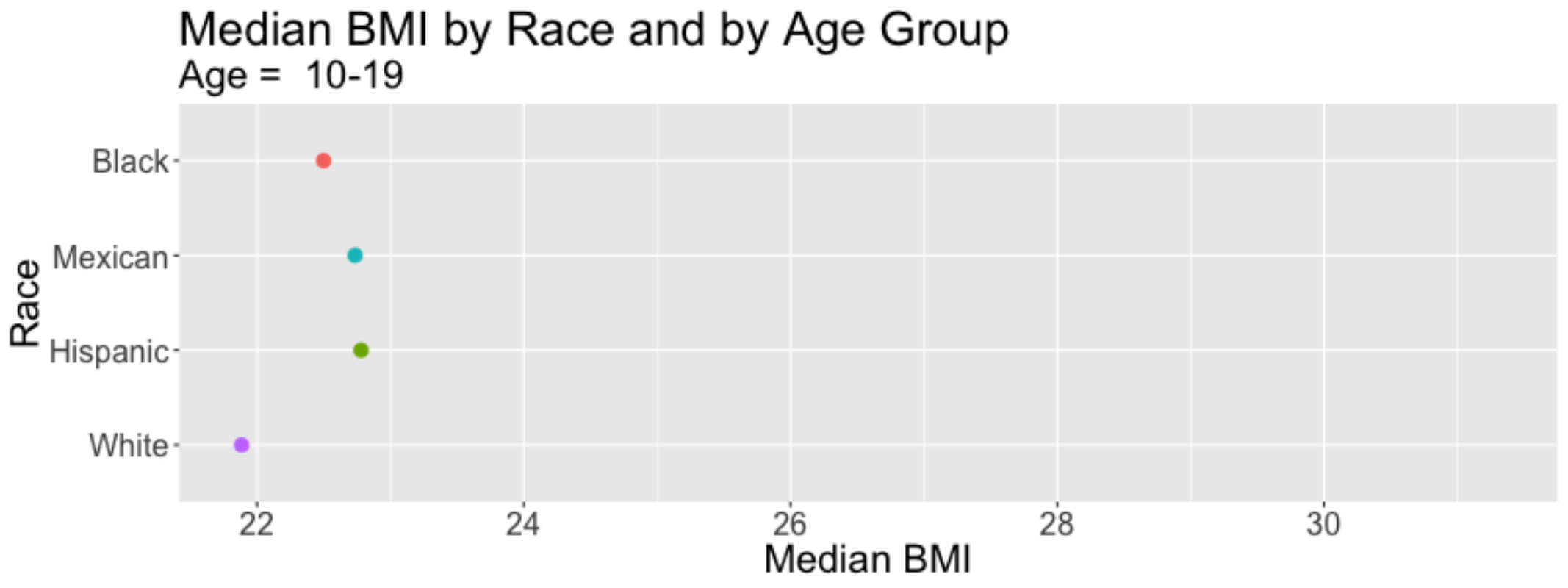
```
NHANES_tidy <- NHANES %>%
  filter(Race1 != "Other") %>%
  filter(as.character(AgeDecade) != " 0-9")

my_plot <- NHANES_tidy %>%
  mutate(AgeDecade = fct_drop(AgeDecade," 0-9")) %>%
  group_by(AgeDecade, Race1) %>%
  summarise(median_BMI = median(BMI, na.rm = TRUE)) %>%
  ggplot(aes(x = median_BMI, y = reorder(Race1, median_BMI), colour = Race1)) +
  geom_point(size = 3) +
  labs(x = "Median BMI", y = "Race", title = "Median BMI by Race and byAge Group",
       subtitle = "Age = {closest_state}") +
  transition_states(AgeDecade) +
  theme(text = element_text(size = 20)) +
  guides(colour = FALSE)

animate(my_plot, height = 300, width = 800)
anim_save("example_plot.gif")
```


Median BMI by Race and by Age Group
Age = 10-19
Race
Black
Mexican
Hispanic
White
22
24
26
28
30
Median BMI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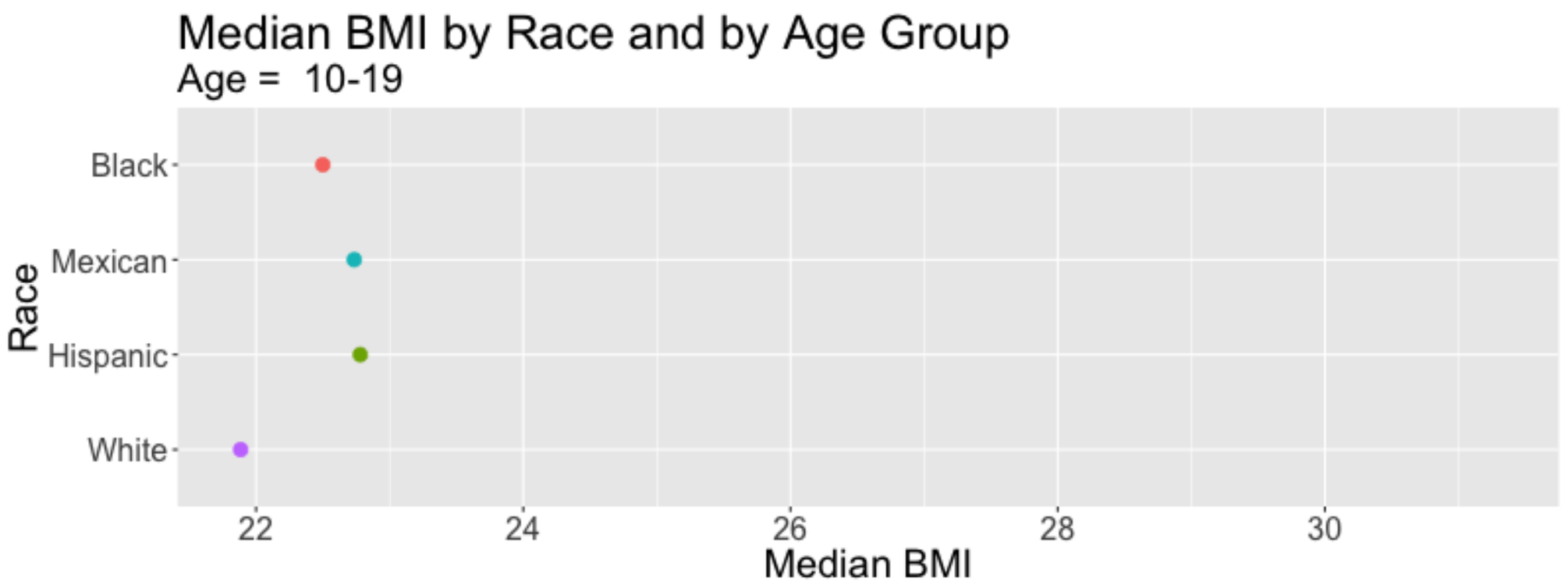

Animated density histogram of BMI