Data Visualization 240: Final Project

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```r
# wrangle data for plots
# reservations in CA
data_plot_bar_race <- data_combined_2018 %>%
  summarize(white = mean(white, na.rm = TRUE),
            black = mean(black, na.rm = TRUE),
            asian = mean(asian, na.rm = TRUE),
            multiracial = mean(multiracial, na.rm = TRUE),
            other = mean(other, na.rm = TRUE),
            native_american = mean(native_american, na.rm = TRUE),
            pacific_islander = mean(pacific_islander, na.rm = TRUE),
            hispanic_latinx = mean(hispanic_latinx, na.rm = TRUE)) %>%
  pivot_longer(cols = 1:8, names_to = "race", values_to = "race_percent_average") %>%
  mutate(race = str_replace(string = race,
                            pattern = "_",
                            replacement = " "),
         race = str_to_title(race))
data_plot_bar_race$race <- with(data_plot_bar_race, reorder(race, race_percent_average))

# CA population
data_plot_bar_race_ca <- data_acs_2018_race_percent_California %>%
  summarize(white = mean(white, na.rm = TRUE),
            black = mean(black, na.rm = TRUE),
            asian = mean(asian, na.rm = TRUE),
            multiracial = mean(multiracial, na.rm = TRUE),
            other = mean(other, na.rm = TRUE),
            native_american = mean(native_american, na.rm = TRUE),
            pacific_islander = mean(pacific_islander, na.rm = TRUE),
            hispanic_latinx = mean(hispanic_latinx, na.rm = TRUE)) %>%
  pivot_longer(cols = 1:8, names_to = "race", values_to = "race_percent_average") %>%
  mutate(race = str_replace(string = race,
                            pattern = "_",
                            replacement = " "),
         race = str_to_title(race))
data_plot_bar_race_ca$race <- with(data_plot_bar_race_ca, reorder(race, race_percent_average))

# US population
data_plot_bar_race_us <- data_acs_2018_race_percent %>%
  summarize(white = mean(white, na.rm = TRUE),
            black = mean(black, na.rm = TRUE),
            asian = mean(asian, na.rm = TRUE),
            multiracial = mean(multiracial, na.rm = TRUE),
            other = mean(other, na.rm = TRUE),
```

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            native_american = mean(native_american, na.rm = TRUE),
            pacific_islander = mean(pacific_islander, na.rm = TRUE),
            hispanic_latinx = mean(hispanic_latinx, na.rm = TRUE)) %>%
  pivot_longer(cols = 1:8, names_to = "race", values_to = "race_percent_average") %>%
  mutate(race = str_replace(string = race,
                            pattern = "_",
                            replacement = " "),
         race = str_to_title(race))
data_plot_bar_race_us$race <- with(data_plot_bar_race_us, reorder(race, race_percent_average))
```

Equitable Access to Federal Public Land Overnight Reservable Sites

Background

Visualizations

Racial Breakdown of Visitors' Home ZIP Codes for California in 2018

Racial Breakdown of Visitors' Home ZIP Codes for United States in 2018