## 04\_behavior\_plots.R

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```
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# date
# Description
pacman::p_load(
  here,
  tidyverse
# Load data ------
tabular_data <- readRDS(file = here("data", "processed", "tabular_game_data.rds"))</pre>
plot_data <- tabular_data %>%
  filter(both_games == 1)
palette <- c(Baseline = "darkorange1",</pre>
      Uncertainty = "steelblue")
p_h <- plot_data %>%
 ggplot(aes(x = t, y = h, color = game, fill = game)) +
 stat_summary(geom = "ribbon",
       fun.data = mean_se,
       alpha = 0.25) +
 stat_summary(geom = "line",
       fun = mean,
       linewidth = 1) +
```

```
scale_y_continuous(limits = c(0, 5)) +
    scale_x_continuous(breaks = c(0, 5, 10, 15), labels = c(0, 5, 10, 15)) +
  labs(x = "Trip",
      y = "Average player's catch") +
  theme_bw() +
  theme(legend.position = "None",
        panel.grid = element_blank()) +
  scale fill manual(values = palette,
                    aesthetics = c("color", "fill"))
p_N <- plot_data %>%
  ggplot(aes(x = t, y = last_N, color = game, fill = game)) +
  stat_summary(geom = "ribbon",
               fun.data = mean_se,
               alpha = 0.25) +
  stat_summary(geom = "line",
               fun = mean,
               linewidth = 1) +
    scale_y_continuous(limits = c(0, 100)) +
    scale_x_continuous(breaks = c(0, 5, 10, 15), labels = c(0, 5, 10, 15)) +
  labs(x = "Trip",
       y = "Average population size",
       color = "Treatment",
       fill = "Treatment") +
  theme bw() +
  scale_fill_manual(values = palette,
                    aesthetics = c("color", "fill")) +
  theme(legend.position = c(0, 0),
        legend.justification = c(0, 0),
        legend.background = element_blank(),
       panel.grid = element_blank())
cowplot::plot_grid(p_h, p_N)
```

