Study S2B

January 26, 2025

Items

Read Data	2
Variable Names	2
Demographics	3
Primary Analysis	4
Figure S5A Code	8
Figure S5B Code	11

Read Data

Variable Names

Variable	Description
encouragement	Binary indicator of whether the participant was randomly as-
	signed to the encouragement condition.
gender_feedback	Binary indicator of whether the participant was randomly as-
	signed to gender feedback condition.
female	Binary indicator of whether the participant selected a female pod-
	cast host for their seventh selection.
episodes_shown	Binary indicator of whether the participant was randomly as-
	signed to receive feedback on the number of episodes in the pod-
	cast.
episodes_pick	Binary indicator of whether the participant selected a podcast
	with over 300 episodes.
duration_shown	Binary indicator of whether the participant was randomly as-
	signed to receive feedback on the duration of podcasts.
duration_pick	Binary indicator of whether the participant selected a podcast
	with an average length of over 2 hours.
years_shown	Binary indicator of whether the participant was randomly as-
	signed to receive feedback about when the podcast started.
years_pick	Binary indicator of whether the participant selected a podcast
	that started over 3 years ago.
base_gender	Count of the number of podcasts with a female host selected in
	the initial six podcasts.
gender	Self-selected gender.
race	Self-selected race.
age	Self-entered age.
gender_code	Dummy code for gender (male $= 1$).
race_code	Dummy code for race (white $= 1$).

Demographics

Excluded Participants: 99

```
##
                         Percentage gender
## 1 Another gender not listed here:
                                      0.2
                                      52.8
## 3
                         Non-binary
                                      0.7
## 4
                              Woman
                                      46.3
##
                           Percentage Race
## 1 American Indian or Alaskan Native 0.3
## 2
            Asian / Pacific Islander 7.5
## 3
            Black or African American 8.4
## 4
                    Hispanic / Latinx 4.6
## 5
                    White / Caucasian 79.2
## # A tibble: 1 x 2
   mean_age sd_age
       <dbl> <dbl>
##
## 1
        43.8 12.1
```

Primary Analysis

```
# primary model, no encouragement
r1 <- lm(female ~ gender_feedback * encouragement, data=d0)
robust_summary(r1)
##
## Call:
## lm(formula = female ~ gender_feedback * encouragement, data = d0)
##
## Residuals:
      Min
               1Q Median
                              3Q
                                     Max
## -0.4980 -0.4257 -0.2360 0.5020 0.7640
##
## Coefficients:
##
                               Estimate Std. Error t value Pr(>|t|)
## (Intercept)
                                         0.02696 8.753 < 2e-16 ***
                                0.23600
## gender_feedback
                                0.18970
                                           0.04143 4.578 5.28e-06 ***
## encouragement
                                0.05306
                                           0.03919 1.354
                                                             0.176
## gender_feedback:encouragement 0.01919
                                           0.05962 0.322
                                                             0.748
## ---
## Signif. codes: 0 '***' 0.001 '**' 0.05 '.' 0.1 ' ' 1
\#\# Residual standard error: 0.4698 on 996 degrees of freedom
## Multiple R-squared: 0.04712,
                                 Adjusted R-squared: 0.04425
## F-statistic: 16.42 on 3 and 996 DF, p-value: 2.032e-10
```

Secondary Analysis

```
## episodes feedback
r_episodes <- lm(episodes_pick ~ episodes_shown*encouragement, data=d0)
# Display the summary with robust standard errors
robust_summary(r_episodes)
##
## Call:
## lm(formula = episodes_pick ~ episodes_shown * encouragement,
##
      data = d0)
##
## Residuals:
##
      Min
               1Q Median
                              3Q
                                     Max
## -0.3864 -0.3552 -0.3261 0.6448 0.7381
##
## Coefficients:
##
                              Estimate Std. Error t value Pr(>|t|)
## (Intercept)
                              -0.03113 0.05759 -0.541
## episodes_shown
                                                          0.5889
## encouragement
                              -0.12446 0.07151 -1.740
                                                           0.0821 .
## episodes_shown:encouragement 0.09537 0.07876 1.211
                                                           0.2262
## Signif. codes: 0 '***' 0.001 '**' 0.05 '.' 0.1 ' ' 1
##
## Residual standard error: 0.4731 on 996 degrees of freedom
## Multiple R-squared: 0.003901, Adjusted R-squared: 0.000901
## F-statistic: 1.3 on 3 and 996 DF, p-value: 0.273
robust_confint(r_episodes)
##
                                    2.5 %
                                             97.5 %
## (Intercept)
                              0.28333643 0.48939084
                              -0.14414163 0.08187665
## episodes_shown
## encouragement
                              -0.26478483 0.01586708
## episodes_shown:encouragement -0.05918771 0.24992135
## duration feedback
r_duration <- lm(duration_pick ~ duration_shown*encouragement, data=d0)
# Display the summary with robust standard errors
robust_summary(r_duration)
##
## Call:
## lm(formula = duration_pick ~ duration_shown * encouragement,
##
      data = d0)
##
## Residuals:
```

```
1Q Median
                             3Q
##
## -0.1832 -0.1832 -0.1667 -0.1667 0.9333
##
## Coefficients:
##
                                Estimate Std. Error t value Pr(>|t|)
                                0.085714 0.048711 1.760 0.0788 .
## (Intercept)
## duration shown
                                                             0.0608 .
                                0.097475
                                         0.051929
                                                    1.877
                                                           0.7580
## encouragement
                               -0.019048
                                         0.061798 -0.308
## duration_shown:encouragement 0.002525
                                         0.066699
                                                    0.038 0.9698
## ---
## Signif. codes: 0 '***' 0.001 '**' 0.05 '.' 0.1 ' ' 1
##
## Residual standard error: 0.3726 on 996 degrees of freedom
                                  Adjusted R-squared:
## Multiple R-squared: 0.005793,
## F-statistic: 1.935 on 3 and 996 DF, p-value: 0.1223
robust_confint(r_duration)
                                      2.5 %
                                               97.5 %
##
                               -0.009872717 0.1813013
## (Intercept)
                               -0.004426834 0.1993776
## duration_shown
## encouragement
                               -0.140316871 0.1022216
## duration_shown:encouragement -0.128362575 0.1334118
## years feedback
r_years <- lm(years_pick ~ years_shown*encouragement, data=d0)
# Display the summary with robust standard errors
robust_summary(r_years)
##
## Call:
## lm(formula = years_pick ~ years_shown * encouragement, data = d0)
##
## Residuals:
               1Q Median
                               3Q
                                      Max
## -0.6638 -0.5610 0.3362 0.4390 0.5013
## Coefficients:
                            Estimate Std. Error t value Pr(>|t|)
## (Intercept)
                                       0.04433 13.069
                            0.57937
                                                        <2e-16 ***
## years shown
                            -0.08071
                                        0.05137 - 1.571
                                                          0.116
## encouragement
                                        0.06263
                                                          0.178
                             0.08443
                                                1.348
## years_shown:encouragement -0.02205
                                       0.07238 -0.305
                                                          0.761
## ---
## Signif. codes: 0 '***' 0.001 '**' 0.05 '.' 0.1 ' ' 1
##
## Residual standard error: 0.4956 on 996 degrees of freedom
## Multiple R-squared: 0.01066, Adjusted R-squared: 0.007683
## F-statistic: 3.578 on 3 and 996 DF, p-value: 0.01357
```

```
##
                                 2.5 %
                                          97.5 %
## (Intercept)
                           0.49237289 0.66635727
## years_shown
                           -0.18151474 0.02010361
## encouragement
                           -0.03847683 0.20733288
## years_shown:encouragement -0.16409280 0.11999564
## interaction of base gender
# primary model
r_interaction <- lm(female ~ gender_feedback*base_gender, data=d0)
# Display the summary with robust standard errors
robust_summary(r_interaction)
##
## Call:
## lm(formula = female ~ gender_feedback * base_gender, data = d0)
## Residuals:
      Min
              1Q Median
                              3Q
                                    Max
## -0.6215 -0.3277 -0.2363 0.4977 0.8552
##
## Coefficients:
##
                             Estimate Std. Error t value Pr(>|t|)
## (Intercept)
                              ## gender_feedback
                              0.29373
                                        0.05213 5.634 2.29e-08 ***
## base_gender
                             -0.04573
                                        0.02031 -2.252 0.0245 *
## gender_feedback:base_gender -0.07343 0.02879 -2.550
                                                         0.0109 *
## Signif. codes: 0 '***' 0.001 '**' 0.05 '.' 0.1 ' ' 1
## Residual standard error: 0.4629 on 996 degrees of freedom
## Multiple R-squared: 0.07478, Adjusted R-squared: 0.07199
## F-statistic: 26.83 on 3 and 996 DF, p-value: < 2.2e-16
```

robust_confint(r_years)

Figure S5A Code

```
dgender plot <- d0 no encouragement |>
  select(gender feedback, female) |>
  group_by(gender_feedback, female) |>
  summarise(n = n()) >
  mutate(freq = n / sum(n)) |>
  filter(female == 1) |>
  mutate(sd = sqrt((freq*(1-freq))/n)*100,
         se = case_when(gender_feedback==0 ~ coef(summary(r1))[, "Std. Error"][1]*100,
                        TRUE ~ coef(robust_summary(r1))[, "Std. Error"][2]*100)) |>
  mutate(gender_feedback = case_when(gender_feedback==1 ~ "\"Treatment\"",
                          TRUE ~ "\"Control\"")) |>
  rename(Condition = gender_feedback)
## dataframe for CEO information
dduration_plot <- d0_no_encouragement |>
  select(duration_shown, duration_pick) |>
  group_by(duration_shown, duration_pick) |>
  summarise(n = n()) |>
  mutate(freq = n / sum(n)) |>
  filter(duration_pick == 1) |>
  mutate(sd = sqrt((freq*(1-freq))/n)*100,
         se = case_when(duration_shown==0 ~ coef(robust_summary(r_duration))[, "Std.

→ Error"][1]*100,

                        TRUE ~ coef(robust_summary(r_duration))[, "Std. Error"][2]*100))
  mutate(duration_shown = case_when(duration_shown==1 ~ "\"Treatment\"",
                         TRUE ~ "\"Control\"")) |>
  rename(Condition = duration_shown)
## dataframe for episodes information
depisodes_plot <- d0_no_encouragement |>
  select(episodes shown, episodes pick) |>
  group by(episodes shown, episodes pick) |>
  summarise(n = n()) |>
  mutate(freq = n / sum(n)) |>
  filter(episodes_pick == 1) |>
  mutate(sd = sqrt((freq*(1-freq))/n)*100,
         se = case_when(episodes_shown==0 ~ coef(robust_summary(r_episodes))[, "Std.
         TRUE ~ coef(robust_summary(r_episodes))[, "Std. Error"][2]*100))
  mutate(episodes_shown = case_when(episodes_shown==1 ~ "\"Treatment\"",
                          TRUE ~ "\"Control\"")) |>
  rename(Condition = episodes_shown)
## dataframe for years information
dyears_plot <- d0_no_encouragement |>
  select(years_shown, years_pick) |>
```

```
group_by(years_shown, years_pick) |>
  summarise(n = n()) >
  mutate(freq = n / sum(n)) |>
  filter(years_pick == 1) |>
  mutate(sd = sqrt((freq*(1-freq))/n)*100,
        se = case_when(years_shown==0 ~ coef(robust_summary(r_years))[, "Std.

→ Error"][1]*100.

                       TRUE ~ coef(robust_summary(r_years))[, "Std. Error"][2]*100)) |>
  mutate(years_shown = case_when(years_shown==1 ~ "\"Treatment\"",
                         TRUE ~ "\"Control\"")) |>
  rename(Condition = years_shown)
df_combined <- bind_rows(</pre>
  dduration_plot %>% mutate(Category = "\nOver 3\nHours"),
  dyears_plot %>% mutate(Category = "\nStarted 3\nYears Ago"),
  depisodes_plot %>% mutate(Category = "\nWith Over\n300 Episodes"),
  dgender_plot %>% mutate(Category = "\nWith Female\nHost")
\cdot . id = "id") %>%
  mutate(Category = factor(Category, levels = c("\n0ver 3\nHours", '\nStarted 3\nYears
  \rightarrow Ago', "\nWith Over\n300 Episodes", '\nWith Female\nHost')))
p_combined_A <- ggplot(df_combined, aes(x = Condition, y = freq*100, fill = Condition)) +
  geom_bar(stat="identity", width = 0.85, position = position_dodge(width = 0.7)) +
  geom text(data = df combined %% filter(!(Category == "\n0ver 3\nHours" & Condition ==

    "\"Control\"")),
          aes(label=paste0(sprintf("%.1f", freq*100),"%")),
         position=position_dodge(width=0.7), vjust=5, size = 4, color = "white")+
  geom_errorbar(aes(ymin=freq*100-se, ymax=freq*100+se), width = .1, position =
  → position dodge(width = 0.7)) +
  facet_wrap(~factor(Category, c("\n0ver 3\nHours", '\nStarted 3\nYears Ago', "\nWith
  → Over\n300 Episodes", '\nWith Female\nHost')), nrow = 1, strip.position = "bottom")
  geom_segment(data = df_combined %>% filter(Category %in% c("\n0ver 3\nHours", "\nWith
  → Over\n300 Episodes", '\nWith Female\nHost') & Condition == "\"Treatment\""),
              aes(x = 1, xend = 2, y = freq*100 + se + 5, yend = freq*100 + se + 5),
              inherit.aes = FALSE) +
   geom_segment(data = df_combined %>% filter(Category %in% c('\nStarted 3\nYears Ago')
    aes(x = 1, xend = 2, y = freq*100 + se + 5, yend = freq*100 + se + 5),
              inherit.aes = FALSE) +
  geom text(data = df combined %% filter(Category %in% c("\nWith Over\n300 Episodes") &
  aes(x = 1.5, xend = 1.5, y = freq*100 + se + 7, yend = freq*100 + se + 7,
            \rightarrow label = "n.s."),
           inherit.aes = FALSE, vjust = 0) +
    geom_text(data = df_combined %>% filter(Category %in% c("\n0ver 3\nHours") &
    aes(x = 1.5, xend = 1.5, y = freq*100 + se + 7, yend = freq*100 + se + 7,
            \rightarrow label = "+"),
           inherit.aes = FALSE, vjust = 0) +
    geom_text(data = df_combined %>% filter(Category %in% c('\nStarted 3\nYears Ago') &
    aes(x = 1.5, xend = 1.5, y = freq*100 + se + 5, yend = freq*100 + se + 5,
            \rightarrow label = "*"),
```

```
inherit.aes = FALSE, vjust = 0) +
 geom_text(data = df_combined %>% filter(Category == '\nWith Female\nHost' & Condition
  aes(x = 1.5, xend = 1.5, y = freq*100 + se + 5, yend = freq*100 + se + 5,
            → label = "***"),
           inherit.aes = FALSE, vjust = 0) +
 geom text(data = df combined %% filter(Category == "\n0ver 3\nHours" & Condition ==

    "\"Control\""),
         aes(label = paste0(sprintf("%.1f", freq*100), "%"),
             x = Condition, y = freq*100 + se + 4), # offset to adjust the position
         inherit.aes = FALSE, vjust = -0.5, size = 4, color = "black") +
 theme bw() +
 scale_fill_manual(values = c("#990000", "#011F5B"), labels = c("No feedback", "Feedback")
  → provided"), "Feedback") +
 scale_y = continuous(labels = function(x) pasteO(x, "%"), limits = c(0,85)) +
 scale_x_discrete(labels = c("\"Control\"" = "Not\nShown", "\"Treatment\"" = "Shown")) +
 labs(x= "Feedback on % of podcasts...", y = "% of New Podcasts with the Target

    Attribute",
      caption = 'Note: Error Bars are SEs', title = "The Effect of Getting Feedback on
       → Your Panel's Composition") +
 theme(plot.caption = element_text(face = "italic"),
       legend.position = "none",
       #legend.position = c(0.5, 0.85),
       legend.title = element blank(),
       legend.direction = "horizontal",
       legend.text = element_text(size = 14),
       legend.key.size = unit(7, 'mm'),
       legend.background = element_rect(fill = "white"),
       panel.grid.minor = element_blank(),
       panel.grid = element_blank(),
       panel.border = element_rect(fill= NA, color = "white"),
       plot.background = element_rect(fill = "white"),
       panel.background = element_rect(fill = "white"),
       axis.title.x = element_text(face="bold", size = 13, vjust = 19),
       plot.title = element_blank(),
       axis.title.y = element_text(size = 14, color = "black"),
       axis.text.x = element_blank(),
       axis.ticks = element_blank(),
       axis.text.y = element_text(size = 14, color = "black"),
       strip.text = element text(size = 14, color = "black"),
       strip.background = element rect(color = "white", fill = "white"))
#p_combined_A
```

Figure S5B Code

```
dgender plot <- d0 w encouragement |>
  select(gender feedback, female) |>
  group_by(gender_feedback, female) |>
  summarise(n = n()) >
  mutate(freq = n / sum(n)) |>
  filter(female == 1) |>
  mutate(sd = sqrt((freq*(1-freq))/n)*100,
         se = case_when(gender_feedback==0 ~ coef(summary(r1))[, "Std. Error"][1]*100,
                        TRUE ~ coef(robust_summary(r1))[, "Std. Error"][2]*100)) |>
  mutate(gender_feedback = case_when(gender_feedback==1 ~ "\"Treatment\"",
                          TRUE ~ "\"Control\"")) |>
  rename(Condition = gender_feedback)
## dataframe for CEO information
dduration_plot <- d0_w_encouragement |>
  select(duration_shown, duration_pick) |>
  group_by(duration_shown, duration_pick) |>
  summarise(n = n()) |>
  mutate(freq = n / sum(n)) |>
  filter(duration_pick == 1) |>
  mutate(sd = sqrt((freq*(1-freq))/n)*100,
         se = case_when(duration_shown==0 ~ coef(robust_summary(r_duration))[, "Std.

→ Error"][1]*100,

                        TRUE ~ coef(robust_summary(r_duration))[, "Std. Error"][2]*100))
  mutate(duration_shown = case_when(duration_shown==1 ~ "\"Treatment\"",
                         TRUE ~ "\"Control\"")) |>
  rename(Condition = duration_shown)
## dataframe for episodes information
depisodes_plot <- d0_w_encouragement |>
  select(episodes_shown, episodes_pick) |>
  group by(episodes shown, episodes pick) |>
  summarise(n = n()) |>
  mutate(freq = n / sum(n)) |>
  filter(episodes_pick == 1) |>
  mutate(sd = sqrt((freq*(1-freq))/n)*100,
         se = case_when(episodes_shown==0 ~ coef(robust_summary(r_episodes))[, "Std.
         TRUE ~ coef(robust_summary(r_episodes))[, "Std. Error"][2]*100))
  mutate(episodes_shown = case_when(episodes_shown==1 ~ "\"Treatment\"",
                          TRUE ~ "\"Control\"")) |>
  rename(Condition = episodes_shown)
## dataframe for years information
dyears_plot <- d0_w_encouragement |>
  select(years_shown, years_pick) |>
```

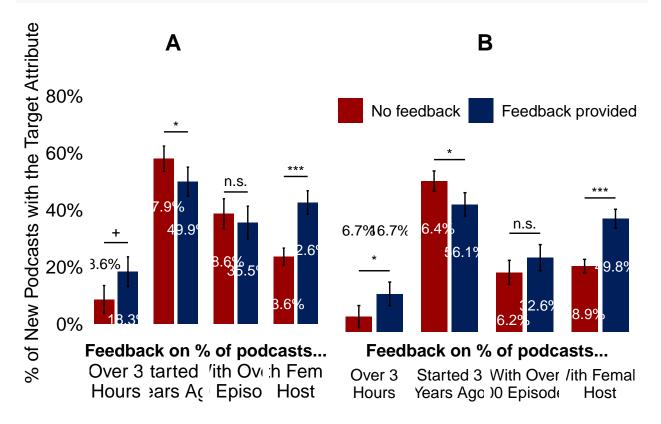
```
group_by(years_shown, years_pick) |>
  summarise(n = n()) >
  mutate(freq = n / sum(n)) |>
  filter(years_pick == 1) |>
  mutate(sd = sqrt((freq*(1-freq))/n)*100,
        se = case_when(years_shown==0 ~ coef(robust_summary(r_years))[, "Std.

→ Error"][1]*100.

                       TRUE ~ coef(robust_summary(r_years))[, "Std. Error"][2]*100)) |>
  mutate(years_shown = case_when(years_shown==1 ~ "\"Treatment\"",
                         TRUE ~ "\"Control\"")) |>
  rename(Condition = years_shown)
df_combined <- bind_rows(</pre>
  dduration_plot %>% mutate(Category = "\nOver 3\nHours"),
  dyears_plot %>% mutate(Category = "\nStarted 3\nYears Ago"),
  depisodes_plot %>% mutate(Category = "\nWith Over\n300 Episodes"),
  dgender_plot %>% mutate(Category = "\nWith Female\nHost")
\cdot . id = "id") %>%
  mutate(Category = factor(Category, levels = c("\n0ver 3\nHours", '\nStarted 3\nYears
  → Ago', "\nWith Over\n300 Episodes", '\nWith Female\nHost')))
p_combined_B <- ggplot(df_combined, aes(x = Condition, y = freq*100, fill = Condition)) +
  geom_bar(stat="identity", width = 0.85, position = position_dodge(width = 0.7)) +
  geom text(data = df combined %>% filter(!(Category == "\nOver 3\nHours")),
         aes(label=paste0(sprintf("%.1f", freq*100),"%")),
         position=position_dodge(width=0.7), vjust=5, size = 4, color = "white")+
  geom_errorbar(aes(ymin=freq*100-se, ymax=freq*100+se), width = .1, position =
  → position_dodge(width = 0.7)) +
  facet wrap(~factor(Category, c("\n0ver 3\nHours", '\nStarted 3\nYears Ago', "\nWith
  → Over\n300 Episodes", '\nWith Female\nHost')), nrow = 1, strip.position = "bottom")
  geom_segment(data = df_combined %>% filter(Category %in% c("\n0ver 3\nHours", "\nWith
  → Over\n300 Episodes", '\nWith Female\nHost') & Condition == "\"Treatment\""),
              aes(x = 1, xend = 2, y = freq*100 + se + 5, yend = freq*100 + se + 5),
              inherit.aes = FALSE) +
    geom_segment(data = df_combined %>% filter(Category %in% c('\nStarted 3\nYears Ago')
    aes(x = 1, xend = 2, y = freq*100 + se + 5, yend = freq*100 + se + 5),
              inherit.aes = FALSE) +
  geom_text(data = df_combined %>% filter(Category %in% c("\nWith Over\n300 Episodes") &
  aes(x = 1.5, xend = 1.5, y = freq*100 + se + 7, yend = freq*100 + se + 7,
            \rightarrow label = "n.s."),
           inherit.aes = FALSE, vjust = 0) +
    geom_text(data = df_combined %>% filter(Category %in% c("\n0ver 3\nHours") &
    aes(x = 1.5, xend = 1.5, y = freq*100 + se + 7, yend = freq*100 + se + 7,
            \rightarrow label = "*"),
           inherit.aes = FALSE, vjust = 0) +
    geom_text(data = df_combined %>% filter(Category %in% c('\nStarted 3\nYears Ago') &
    aes(x = 1.5, xend = 1.5, y = freq*100 + se + 5, yend = freq*100 + se + 5,
            \rightarrow label = "*"),
```

```
inherit.aes = FALSE, vjust = 0) +
  geom_text(data = df_combined %>% filter(Category == '\nWith Female\nHost' & Condition
  aes(x = 1.5, xend = 1.5, y = freq*100 + se + 5, yend = freq*100 + se + 5,
            → label = "***"),
            inherit.aes = FALSE, vjust = 0) +
  geom text(data = df combined %>% filter(Category == "\nOver 3\nHours"),
          aes(label = paste0(sprintf("%.1f", freq*100), "%"),
              x = Condition, y = 40), # offset to adjust the position
          inherit.aes = FALSE, vjust = -0.5, size = 4, color = "black") +
  theme bw() +
  scale_fill_manual(values = c("#990000", "#011F5B"), labels = c("No feedback", "Feedback"
  → provided"), "Feedback") +
  scale_y_continuous(labels = function(x) paste0(x,"%"), limits = c(0,110)) +
  scale_x_discrete(labels = c("\"Control\"" = "Not\nShown", "\"Treatment\"" = "Shown")) +
  labs(x = "Feedback on % of podcasts...", y = "% of New Podcasts with the Target
       caption = 'Note: Error Bars are SEs', title = "The Effect of Getting Feedback on
       → Your Panel's Composition") +
  theme(plot.caption = element_text(face = "italic"),
       legend.position = c(0.5, 0.85),
       legend.title = element_blank(),
       legend.direction = "horizontal",
       legend.text = element_text(size = 12),
       legend.key.size = unit(7, 'mm'),
        legend.background = element_rect(fill = "white"),
       panel.grid.minor = element_blank(),
        panel.grid = element blank(),
       panel.border = element_rect(fill= NA, color = "white"),
       plot.background = element_rect(fill = "white"),
       panel.background = element_rect(fill = "white"),
       axis.title.x = element_text(face="bold", size = 13, vjust = 19),
       plot.title = element_blank(),
       axis.title.y = element_blank(), # Remove y-axis title
       axis.text.x = element_blank(),
       axis.ticks = element_blank(),
       axis.text.y = element_blank(), # Remove y-axis text
       axis.ticks.y = element_blank(), # Remove y-axis ticks
       strip.text = element_text(size = 12, color = "black"),
       strip.background = element rect(color = "white", fill = "white"))
#p_combined_B
# Create separate plots for the labels
label_A <- ggplot() +</pre>
  annotate("text", x = 0, y = 0, label = "A", size = 6, fontface = "bold") +
 theme_void()
label_B <- ggplot() +</pre>
  annotate("text", x = 0, y = 0, label = "B", size = 6, fontface = "bold") +
  theme_void()
# Combine the main plots and labels using grid.arrange()
```

```
combined_plot <- grid.arrange(
  arrangeGrob(label_A, p_combined_A, ncol = 1, heights = c(0.1, 1)),
  arrangeGrob(label_B, p_combined_B, ncol = 1, heights = c(0.1, 1)),
  ncol = 2
)</pre>
```



Note: Error Bars are SEs

Note: Error Bars are SEs

```
ggsave("../Supplemental_Figures/Figure-S5.pdf", combined_plot, width = 16, height = 7,
      units = "in", device = cairo_pdf, family = "Times New Roman")
```