Study S2A

January 31, 2025

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Read Data

```
# Set this to TRUE if you have API access, FALSE if using CSV
USE API <- T
if(USE API) {
  ## Pull directly from Qualtrics API
  qual data <- fetch survey(surveyID='SV 3sK5vJ1hXsDPKom',
                     label = T,
                     convert = F,
                     start_date = "2022-12-01",
                     force_request = T)
} else {
  # Read the processed data directly from CSV
  d0 <- read.csv('StudyS2A.csv', check.names = F)</pre>
  num_excluded <- unique(d0$num_excluded_total)</pre>
}
# Define the categories
females <- c('Mary Barra (CEO of General Motors)', 'Oprah Winfrey (CEO of Oprah Winfrey
→ Network)',
             'Janet Yellen (U.S. Secretary Treasury)', 'Jane Fraser (CEO of Citigroup)',
             'Rosalind Brewer (CEO of Walgreens)')
ceos <- c("Tim Cook (CEO of Apple)", "Elon Musk (CEO of Tesla)", "Oprah Winfrey (CEO of
→ Oprah Winfrey Network)",
          "Mary Barra (CEO of General Motors)", "Jane Fraser (CEO of Citigroup)", "Marvin

→ Ellison (CEO of Lowe's)",

          "Warren Buffet (CEO of Berkshire Hathaway)", "Charles Koch (CEO of Koch
          → Industries)",
          "Stewart Butterfield (CEO of Slack)", "Jack Ma (CEO of Alibaba)", "Rosalind
          → Brewer (CEO of Walgreens)",
          "Jeff Weiner (CEO of LinkedIn)")
techs <- c("Bill Gates (Co-founder of Microsoft)", "Mark Zuckerberg (Co-founder of
→ Facebook)",
           "Tim Cook (CEO of Apple)", "Elon Musk (CEO of Tesla)", "Larry Page (Co-founder
           → of Google)",
           "Sergey Brin (Co-founder of Google)", "Jeff Bezos (Founder of Amazon)",
           "Stewart Butterfield (CEO of Slack)", "Jack Ma (CEO of Alibaba)",
           "Jeff Weiner (CEO of LinkedIn)")
founders <- c("Bill Gates (Co-founder of Microsoft)", "Mark Zuckerberg (Co-founder of
→ Facebook)",
              "Larry Page (Co-founder of Google)", "Sergey Brin (Co-founder of Google)",
              "Sean Combs (Founder of Bad Boy Entertainment)", "Daymond John (Founder of
              → FUBU)",
              "Jeff Bezos (Founder of Amazon)", "Michael Bloomberg (Co-founder of
              → Bloomberg LP)",
              "Phil Knight (Co-founder of Nike)")
if(USE_API) {
```

```
d0 <- qual data |>
 mutate(ec_2 = tolower(ec_2)) |>
 filter(workerId!="", selection_6!="", ec_2 %in% c("one one", "\"one one\""),
  mutate(fem_choice = across(c(bonus_ctrl2_7, bonus_ctrl1_7, bonus_trt_7),
               ~ case_when(. %in% females ~ 1,
                          TRUE \sim 0).
        ceo_choice = across(c(bonus_ctrl2_7, bonus_ctrl1_7, bonus_trt_7),
               ~ case_when(. %in% ceos ~ 1,
                          TRUE \sim 0),
         tech_choice = across(c(bonus_ctrl2_7, bonus_ctrl1_7, bonus_trt_7),
               ~ case when(. %in% techs ~ 1,
                TRUE \sim 0),
         founder_choice = across(c(bonus_ctrl2_7, bonus_ctrl1_7, bonus_trt_7),
               ~ case_when(. %in% founders ~ 1,
                TRUE \sim 0),
        condition = case_when(group %in% c("control1", "control2") ~ "Control",
                             TRUE ~ "Treatment")) |>
 mutate(fem_score = case_when(`female_count_type-1` == "are female" ~ female_count_1,
                          `female_count_type-2` == "are female" ~ female_count_2,
                          `female_count_type-3` == "are female" ~ female_count_3),
        gender_feedback = case_when(condition=="Control" ~ 0, condition=="Treatment" ~
        \hookrightarrow 1),
        founder = case_when((group == "control1" & (`count_type-1` == "are founders" |
        → `count type-2` == "are founders")) | (group=="control2") |
        → `female_count_type-2` == "are founders" | `female_count_type-3` == "are

    founders")) ~ 1, TRUE ~ 0),

        tech = case_when((group == "control1" & (`count_type-1` == "are in the

    technology industry" | `count_type-2` == "are in the technology

        \rightarrow industry")) | (group=="control2") | (group=="treatment" &
        → `female_count_type-2` == "are in the technology industry" |
         → `female_count_type-3` == "are in the technology industry")) ~ 1, TRUE ~
        \hookrightarrow 0),
        ceo = case_when((group == "control1" & (`count_type-1` == "are CEOs" |
        → `count type-2` == "are CEOs")) | (group=="control2") | (group=="treatment"

    CEOs" | `female_count_type-3` == "are CEOs")) ~ 1, TRUE ~ 0),
        list_two = case_when(group=="control1" ~ 1, group=="control2" ~ 0, TRUE ~
        → NA real )) |>
 mutate(female = case when(fem choice$bonus ctrl2 7==1 | fem choice$bonus ctrl1 7==1 |

    fem_choice$bonus_trt_7==1 ~ 1, TRUE ~ 0),
        ceo_pick = case_when(ceo_choice$bonus_ctrl2_7==1 | ceo_choice$bonus_ctrl1_7==1

    ceo_choice$bonus_trt_7==1 ~ 1, TRUE ~ 0),
        founder_pick = case_when(founder_choice$bonus_ctrl2_7==1 |
        → founder_choice$bonus_ctrl1_7==1 | founder_choice$bonus_trt_7==1 ~ 1, TRUE
        \rightarrow ~ 0),
        tech_pick = case_when(tech_choice$bonus_ctrl2_7==1 |

    tech_choice$bonus_ctrl1_7==1 | tech_choice$bonus_trt_7==1 ~ 1, TRUE ~ 0),
        gender_code = case_when(gender=="Man" ~ 1, TRUE ~ 0),
        race_code = case_when(race=="White / Caucasian" ~ 1, TRUE ~ 0),
        age = as.numeric(age),
```

```
gender = case_when(gender=="" ~ "N/A",
                              TRUE ~ gender),
           race = case_when(race=="" ~ "N/A",
                            TRUE ~ race),
           encouragement = case_when(vignette=="demand" ~ 1,
                                     vignette=="base" ~ 0,
                                  TRUE ~ NA),
           base_gender = rowSums(across(selection_1:selection_6, ~ . %in% females))) |>
    select(
      list_two, encouragement, gender_feedback, female, ceo, ceo_pick, founder,

→ founder_pick, tech, tech_pick, base_gender, gender, race, age, gender_code,

→ race code) |>
    slice(1:1000) # pre-registered sample size
  # Calculate the number of excluded participants
  num_excluded <- nrow(qual_data) - nrow(d0)</pre>
  # Save num_excluded in dO
  d0$num_excluded_total <- num_excluded # As a column</pre>
  # Write the API-pulled data into a CSV file
  write.csv(d0, 'StudyS2A.csv', row.names = FALSE, quote = TRUE)
}
# Create the encouragement-specific dataframes
d0_w_encouragement <- d0 |>
  filter(encouragement == 1)
d0 no encouragement <- d0 |>
 filter(encouragement == 0)
```

Variable Names

Variable	Description
list_two	Binary indicator of whether the control received a list of two at-
	tributes (list_two=1) or not (list_two=0).
encouragement	Binary indicator of whether a participant was randomly assigned
	to the encouragement condition.
gender_feedback	Binary indicator of whether a participant was randomly assigned
	to gender feedback condition.
female	Binary indicator of whether a participant selected a female busi-
	ness leader for their seventh selection.
ceo	Binary indicator of whether a participant was randomly assigned
	to receive CEO feedback.
ceo_pick	Binary indicator of whether a participant selected a CEO business
	leader for their seventh selection.
founder	Binary indicator of whether a participant was randomly assigned
	to receive founder feedback.
founder_pick	Binary indicator of whether a participant selected a founder busi-
	ness leader for their seventh selection.
tech	Binary indicator of whether a participant was randomly assigned
	to receive technologist feedback.
tech_pick	Binary indicator of whether a participant selected a technologist
	business leader for their seventh selection.
base_gender	Count of the number of female panelists selected in the initial six
	selections.
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: 265

```
##
                         Percentage gender
## 1 Another gender not listed here:
                                      0.2
                                      47.2
## 3
                         Non-binary
                                      1.1
## 4
                              Woman
                                      51.5
##
                           Percentage Race
## 1 American Indian or Alaskan Native 0.5
## 2
            Asian / Pacific Islander 8.5
## 3
            Black or African American 11.2
## 4
                    Hispanic / Latinx 5.7
## 5
                    White / Caucasian 74.1
## # A tibble: 1 x 2
   mean_age sd_age
       <dbl> <dbl>
##
## 1
        40.4 12.0
```

Pooled Analysis

```
## no gender feedback
r0_0 <- lm(female ~ list_two, data=d0_no_encouragement)
# Calculate robust standard errors
robust_summary(r0_0)
##
## Call:
## lm(formula = female ~ list_two, data = d0_no_encouragement)
## Residuals:
      Min
               1Q Median
                             3Q
                                      Max
## -0.2845 -0.2845 -0.2823 0.7155 0.7177
## Coefficients:
              Estimate Std. Error t value Pr(>|t|)
## (Intercept) 0.282258   0.040749   6.927 3.99e-11 ***
## list_two
              0.002225
                         0.058701
                                   0.038
                                              0.97
## ---
## Signif. codes: 0 '***' 0.001 '**' 0.05 '.' 0.1 ' ' 1
## Residual standard error: 0.4525 on 238 degrees of freedom
    (256 observations deleted due to missingness)
## Multiple R-squared: 6.087e-06, Adjusted R-squared: -0.004196
## F-statistic: 0.001449 on 1 and 238 DF, p-value: 0.9697
## no diversity encouragement
r0_1 <- lm(female ~ list_two, data=d0_w_encouragement)
# Calculate robust standard errors
robust_summary(r0_1)
##
## Call:
## lm(formula = female ~ list_two, data = d0_w_encouragement)
## Residuals:
               1Q Median
                               3Q
## -0.3621 -0.3621 -0.2707 0.6379 0.7293
##
## Coefficients:
              Estimate Std. Error t value Pr(>|t|)
## (Intercept) 0.36207
                         0.04501 8.044 3.63e-14 ***
## list_two
              -0.09139
                          0.05944 -1.538
                                             0.125
## Signif. codes: 0 '***' 0.001 '**' 0.05 '.' 0.1 ' ' 1
##
## Residual standard error: 0.4634 on 247 degrees of freedom
    (255 observations deleted due to missingness)
```

Multiple R-squared: 0.009661, Adjusted R-squared: 0.005652
F-statistic: 2.41 on 1 and 247 DF, p-value: 0.1219

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
                            ЗQ
                                   Max
## -0.5020 -0.4766 -0.2833 0.5234 0.7167
##
## Coefficients:
##
                              Estimate Std. Error t value Pr(>|t|)
## (Intercept)
                              ## gender_feedback
                              0.029920 0.041522 0.721 0.471
## encouragement
## gender_feedback:encouragement -0.004521
                                        0.060781 -0.074
                                                          0.941
## Signif. codes: 0 '***' 0.001 '**' 0.05 '.' 0.1 ' ' 1
## Residual standard error: 0.4804 on 996 degrees of freedom
## Multiple R-squared: 0.03878, Adjusted R-squared: 0.03589
## F-statistic: 13.4 on 3 and 996 DF, p-value: 1.417e-08
robust_confint(r1)
##
                                  2.5 %
                                          97.5 %
## (Intercept)
                              0.2260153 0.3406514
## gender_feedback
                              0.1091629 0.2772955
## encouragement
                             -0.0515615 0.1114009
## gender_feedback:encouragement -0.1237942 0.1147514
```

Secondary Analysis

```
## ceo feedback
r_ceo <- lm(ceo_pick ~ ceo*encouragement, data=d0)

# Display the robust_summary with robust standard errors
robust_summary(r_ceo)

##
## Call:
## lm(formula = ceo_pick ~ ceo * encouragement, data = d0)
##</pre>
```

```
## Residuals:
##
      Min
               1Q Median
                              30
                                     Max
## -0.5134 -0.4744 -0.4394 0.5255 0.5606
##
## Coefficients:
                   Estimate Std. Error t value Pr(>|t|)
##
                    0.47445 0.04298 11.040
## (Intercept)
                                               <2e-16 ***
                               0.05038 -0.626
## ceo
                    -0.03156
                                                 0.531
## encouragement
                   -0.03506
                               0.06117 -0.573
                                                 0.567
## ceo:encouragement 0.10560
                               0.07147 1.478
                                                 0.140
## Signif. codes: 0 '***' 0.001 '**' 0.05 '.' 0.1 ' ' 1
## Residual standard error: 0.4992 on 996 degrees of freedom
## Multiple R-squared: 0.004345,
                                 Adjusted R-squared: 0.001346
## F-statistic: 1.449 on 3 and 996 DF, p-value: 0.2271
robust_confint(r_ceo)
                         2.5 %
                                   97.5 %
## (Intercept)
                    0.39011910 0.55878601
## ceo
                    -0.13041707 0.06730583
## encouragement
                   -0.15509324 0.08497601
## ceo:encouragement -0.03464641 0.24585148
## founder feedback
r_founder <- lm(founder_pick ~ founder*encouragement, data=d0)
# Display the robust_summary with robust standard errors
robust_summary(r_founder)
##
## Call:
## lm(formula = founder_pick ~ founder * encouragement, data = d0)
##
## Residuals:
##
      Min
               1Q Median
                              ЗQ
                                     Max
## -0.3692 -0.3351 -0.3019 0.6308 0.7266
##
## Coefficients:
                        Estimate Std. Error t value Pr(>|t|)
##
                        ## (Intercept)
## founder
                        0.067344 0.051250 1.314
                                                      0.189
## encouragement
                       -0.028449
                                  0.060024 -0.474
                                                      0.636
## founder:encouragement -0.005675
                                  0.069274 -0.082
                                                      0.935
## Signif. codes: 0 '***' 0.001 '**' 0.05 '.' 0.1 ' ' 1
##
## Residual standard error: 0.4725 on 996 degrees of freedom
## Multiple R-squared: 0.004719,
                                  Adjusted R-squared: 0.001721
## F-statistic: 1.574 on 3 and 996 DF, p-value: 0.194
```

```
robust_confint(r_founder)
                                        97.5 %
##
                              2.5 %
## (Intercept)
                        0.21355343 0.39022016
## founder
                        -0.03322561 0.16791357
## encouragement
                        -0.14623784 0.08933926
## founder:encouragement -0.14161516 0.13026497
## tech feedback
r_tech <- lm(tech_pick ~ tech*encouragement, data=d0)
# Display the robust_summary with robust standard errors
robust_summary(r_tech)
##
## Call:
## lm(formula = tech_pick ~ tech * encouragement, data = d0)
## Residuals:
               1Q Median
                               3Q
## -0.3488 -0.3488 -0.3191 0.6512 0.7344
## Coefficients:
                       Estimate Std. Error t value Pr(>|t|)
## (Intercept)
                     3.488e-01 4.229e-02 8.249 5.03e-16 ***
                     -6.337e-05 4.910e-02 -0.001
                                                      0.999
## tech
## encouragement
                     -8.321e-02 5.776e-02 -1.441
                                                      0.150
## tech:encouragement 5.359e-02 6.738e-02 0.795
                                                      0.427
## Signif. codes: 0 '***' 0.001 '**' 0.05 '.' 0.1 ' ' 1
## Residual standard error: 0.4693 on 996 degrees of freedom
## Multiple R-squared: 0.003366, Adjusted R-squared: 0.0003645
## F-statistic: 1.121 on 3 and 996 DF, p-value: 0.3393
robust_confint(r_tech)
                           2.5 %
                                     97.5 %
##
## (Intercept)
                     0.26584884 0.43182558
                     -0.09641335 0.09628661
## tech
## encouragement
                     -0.19656290 0.03013848
## tech:encouragement -0.07863192 0.18580653
## 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
## -0.6618 -0.3351 -0.2810 0.4634 0.7461
##
## Coefficients:
##
                              Estimate Std. Error t value Pr(>|t|)
## (Intercept)
                               0.33511
                                          0.03439 9.743 < 2e-16 ***
## gender_feedback
                                          0.04896
                                                   6.673 4.14e-11 ***
                               0.32671
## base_gender
                              -0.02707
                                          0.01940 -1.395 0.163303
## gender_feedback:base_gender -0.09819
                                          0.02605 -3.770 0.000173 ***
## ---
## Signif. codes: 0 '***' 0.001 '**' 0.05 '.' 0.1 ' ' 1
## Residual standard error: 0.4703 on 996 degrees of freedom
## Multiple R-squared: 0.07907,
                                   Adjusted R-squared: 0.0763
## F-statistic: 28.51 on 3 and 996 DF, p-value: < 2.2e-16
```

Figure S4A 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
dceo_plot <- d0_no_encouragement |>
  select(ceo, ceo_pick) |>
  group_by(ceo, ceo_pick) |>
  summarise(n = n()) >
  mutate(freq = n / sum(n)) |>
  filter(ceo_pick == 1) |>
  mutate(sd = sqrt((freq*(1-freq))/n)*100,
         se = case_when(ceo==0 ~ coef(robust_summary(r_ceo))[, "Std. Error"][1]*100,
                        TRUE ~ coef(robust_summary(r_ceo))[, "Std. Error"][2]*100)) |>
  mutate(ceo = case_when(ceo==1 ~ "\"Treatment\"",
                          TRUE ~ "\"Control\"")) |>
  rename(Condition = ceo)
## dataframe for Founder information
```

```
dfounder_plot <- d0_no_encouragement |>
  select(founder, founder_pick) |>
  group_by(founder, founder_pick) |>
  summarise(n = n()) |>
  mutate(freq = n / sum(n)) |>
  filter(founder_pick == 1) |>
  mutate(sd = sqrt((freq*(1-freq))/n)*100,
         se = case_when(founder==0 ~ coef(robust_summary(r_founder))[, "Std.
         TRUE ~ coef(robust_summary(r_founder))[, "Std. Error"][2]*100))
  mutate(founder = case_when(founder==1 ~ "\"Treatment\"",
                         TRUE ~ "\"Control\"")) |>
  rename(Condition = founder)
## dataframe for Tech information
dtech_plot <- d0_no_encouragement |>
  select(tech, tech_pick) |>
  group_by(tech, tech_pick) |>
  summarise(n = n()) |>
  mutate(freq = n / sum(n)) |>
  filter(tech pick == 1) |>
  mutate(sd = sqrt((freq*(1-freq))/n)*100,
         se = case_when(tech==0 ~ coef(robust_summary(r_tech))[, "Std. Error"][1]*100,
                       TRUE ~ coef(robust_summary(r_tech))[, "Std. Error"][2]*100)) |>
  mutate(tech = case_when(tech==1 ~ "\"Treatment\"",
                         TRUE ~ "\"Control\"")) |>
  rename(Condition = tech)
df_combined <- bind_rows(</pre>
  dceo_plot %>% mutate(Category = "\nCEOs"),
  dtech_plot %>% mutate(Category = "\nTechnologists"),
  dfounder_plot %>% mutate(Category = "\nFounders"),
  dgender_plot %>% mutate(Category = "\nFemale")
, .id = "id") %>%
 mutate(Category = factor(Category, levels = c('\nCEOs', '\nTechnologists',

    '\nFounders', '\nFemale')))

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(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('\nCEOs', '\nTechnologists', '\nFounders', '\nFemale')),
  → nrow = 1, strip.position = "bottom") +
  geom_segment(data = df_combined %% filter(Condition == "\"Treatment\""),
               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('\nCEOs', '\nTechnologists') &
```

```
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('\nFounders') & Condition ==

    "\"Treatment\""),
            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 == '\nFemale' & Condition ==

    "\"Treatment\""),
            aes(x = 1.5, xend = 1.5, y = freq*100 + se + 5, yend = freq*100 + se + 5,
            → label = "***"),
            inherit.aes = FALSE, vjust = 0) +
 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(0,80)) +
 scale x discrete(labels = c("\"Control\"" = "Not\nShown", "\"Treatment\"" = "Shown")) +
 labs(x = "Feedback on % of panelists who were...", y = "% of New Panelists with the

→ Target Identity",

       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_text(size = 12, color = "black"),
       axis.text.x = element_blank(),
       axis.ticks = element_blank(),
       axis.text.y = element_text(size = 12, color = "black"),
       strip.text = element text(size = 12, color = "black"),
        strip.background = element rect(color = "white", fill = "white"))
#p_combined_A
```

Figure S4B 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
dceo_plot <- d0_w_encouragement |>
  select(ceo, ceo_pick) |>
  group_by(ceo, ceo_pick) |>
  summarise(n = n()) |>
  mutate(freq = n / sum(n)) |>
  filter(ceo_pick == 1) |>
  mutate(sd = sqrt((freq*(1-freq))/n)*100,
         se = case_when(ceo==0 ~ coef(robust_summary(r_ceo))[, "Std. Error"][1]*100,
                        TRUE ~ coef(robust summary(r ceo))[, "Std. Error"][2]*100)) |>
  mutate(ceo = case_when(ceo==1 ~ "\"Treatment\"",
                          TRUE ~ "\"Control\"")) |>
  rename(Condition = ceo)
## dataframe for Founder information
dfounder_plot <- d0_w_encouragement |>
  select(founder, founder_pick) |>
  group_by(founder, founder_pick) |>
  summarise(n = n()) |>
  mutate(freq = n / sum(n)) |>
  filter(founder_pick == 1) |>
  mutate(sd = sqrt((freq*(1-freq))/n)*100,
         se = case_when(founder==0 ~ coef(robust_summary(r_founder))[, "Std.
         TRUE ~ coef(robust_summary(r_founder))[, "Std. Error"][2]*100))
  mutate(founder = case_when(founder==1 ~ "\"Treatment\"",
                         TRUE ~ "\"Control\"")) |>
  rename(Condition = founder)
## dataframe for Tech information
dtech_plot <- d0_w_encouragement |>
  select(tech, tech_pick) |>
  group_by(tech, tech_pick) |>
  summarise(n = n()) |>
```

```
mutate(freq = n / sum(n)) |>
  filter(tech_pick == 1) |>
  mutate(sd = sqrt((freq*(1-freq))/n)*100,
         se = case_when(tech==0 ~ coef(robust_summary(r_tech))[, "Std. Error"][1]*100,
                        TRUE ~ coef(robust_summary(r_tech))[, "Std. Error"][2]*100)) |>
  mutate(tech = case_when(tech==1 ~ "\"Treatment\"",
                         TRUE ~ "\"Control\"")) |>
  rename(Condition = tech)
df_combined <- bind_rows(</pre>
  dceo_plot %>% mutate(Category = "\nCEOs"),
  dtech plot %>% mutate(Category = "\nTechnologists"),
  dfounder_plot %>% mutate(Category = "\nFounders"),
  dgender_plot %>% mutate(Category = "\nFemale")
, .id = "id") %>%
  mutate(Category = factor(Category, levels = c('\nCEOs', '\nTechnologists',
  p_combined_B \leftarrow 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(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('\nCEOs', '\nTechnologists', '\nFounders', '\nFemale')),
  → nrow = 1, strip.position = "bottom") +
  geom_segment(data = df_combined %>% filter(Condition == "\"Treatment\""),
               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('\nCEOs', '\nTechnologists') &
  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('\nFounders') & Condition ==

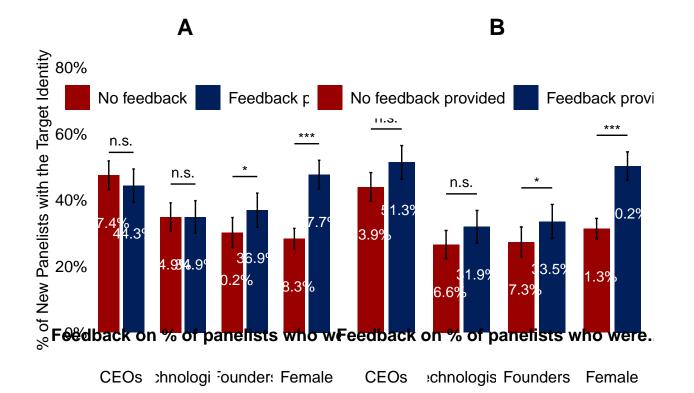
    "\"Treatment\""),
            aes(x = 1.5, xend = 1.5, y = freq*100 + se + 5, yend = freq*100 + se + 5,
            \rightarrow label = "*"),
            inherit.aes = FALSE, vjust = 0) +
  geom_text(data = df_combined %>% filter(Category == '\nFemale' & Condition ==

    "\"Treatment\""),
            aes(x = 1.5, xend = 1.5, y = freq*100 + se + 5, yend = freq*100 + se + 5,
            \rightarrow label = "***"),
            inherit.aes = FALSE, vjust = 0) +
  theme_bw() +
  scale_fill_manual(values = c("#990000", "#011F5B"), labels = c("No feedback provided",
  → "Feedback provided"), "Feedback") +
  scale_y_continuous(labels = function(x) paste0(x,"%"), limits = c(0,80)) +
  scale_x_discrete(labels = c("\"Control\"" = "Not\nShown", "\"Treatment\"" = "Shown")) +
  labs(x = "Feedback on % of panelists who were...", <math>y = "% of New Panelists with the

→ Target Identity",

      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.v = 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(</pre>
  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)),
)
```



Note: Error Bars are SEs

Note: Error Bars are SEs

$ggsave(".../Supplemental_Figures/Figure-S4.pdf", combined_plot, width = 16, height = 7, units = "in", device = cairo_pdf, family = "Times New Roman")$

System of Equations

```
## Call:
## lm(formula = as.numeric(founder_pick) ~ founder + tech + ceo +
      gender_feedback - 1, data = d0_no_encouragement)
##
## Residuals:
##
      Min
              1Q Median
                             ЗQ
                                    Max
## -0.4765 -0.3464 -0.2835 0.5235 0.7273
## Coefficients:
##
                 Estimate Std. Error t value Pr(>|t|)
## founder
                  ## tech
                                    3.039 0.0025 **
                  0.11329
                            0.03728
## ceo
                  0.17620
                             0.03633
                                     4.849 1.66e-06 ***
## gender_feedback -0.01683
                            0.03846 -0.438 0.6619
## Signif. codes: 0 '***' 0.001 '**' 0.05 '.' 0.1 ' ' 1
## Residual standard error: 0.4777 on 492 degrees of freedom
## Multiple R-squared: 0.3622, Adjusted R-squared: 0.357
## F-statistic: 69.85 on 4 and 492 DF, p-value: < 2.2e-16
##
                                   Wald.Coefficient
                                                        P_Value
## Gender Feedback - Founder Feedback
                                          7.099297 0.0078378268
## Gender Feedback - Tech Feedback
                                          10.457233 0.0012624375
## Gender Feedback - CEO Feedback
                                          12.381159 0.0004535653
```