Study S1

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Items

Read Data	2
Variable Names	2
Demographics	3
Pooled Analysis	4
Primary Analysis	5
Robustness	6
Secondary Analysis	8
Figure S4 Code	0
System of Simultaneous Equations	3

Read Data

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).
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: 160

```
##
                         Percentage gender
## 1 Another gender not listed here:
                                      0.2
                                      50.9
## 3
                         Non-binary
                                      1.0
## 4
                              Woman
                                      47.9
##
                           Percentage Race
## 1 American Indian or Alaskan Native 0.3
## 2
            Asian / Pacific Islander 7.6
            Black or African American 7.9
## 3
## 4
                    Hispanic / Latinx 7.1
## 5
                    White / Caucasian 77.1
## # A tibble: 1 x 2
   mean_age sd_age
       <dbl> <dbl>
##
## 1
        41.2 12.0
```

Pooled Analysis

```
r0 <- lm(female ~ list_two, data=d0)
# Calculate robust standard errors
robust_summary(r0)
##
## Call:
## lm(formula = female ~ list_two, data = d0)
## Residuals:
##
               1Q Median
      Min
                             3Q
                                     Max
## -0.2857 -0.2857 -0.2691 0.7143 0.7309
##
## Coefficients:
##
              Estimate Std. Error t value Pr(>|t|)
## (Intercept) 0.28571 0.02857 10.000 <2e-16 ***
## list_two -0.01664
                         0.04016 -0.414
                                            0.679
## Signif. codes: 0 '***' 0.001 '**' 0.05 '.' 0.1 ' ' 1
## Residual standard error: 0.4486 on 499 degrees of freedom
   (499 observations deleted due to missingness)
## Multiple R-squared: 0.0003452, Adjusted R-squared: -0.001658
## F-statistic: 0.1723 on 1 and 499 DF, p-value: 0.6782
```

Primary Analysis

```
# primary model
r1 <- lm(female ~ gender_feedback, data=d0)
\# Display the summary with robust standard errors
robust_summary(r1)
##
## Call:
## lm(formula = female ~ gender_feedback, data = d0)
## Residuals:
##
      Min
               1Q Median
                               3Q
                                     Max
## -0.5010 -0.2774 -0.2774 0.4990 0.7226
##
## Coefficients:
##
                  Estimate Std. Error t value Pr(>|t|)
## (Intercept)
                  0.27745 0.02004 13.842 < 2e-16 ***
                             0.03008 7.432 2.29e-13 ***
## gender_feedback 0.22356
## Signif. codes: 0 '***' 0.001 '**' 0.05 '.' 0.1 ' ' 1
## Residual standard error: 0.475 on 998 degrees of freedom
## Multiple R-squared: 0.05257, Adjusted R-squared: 0.05162
## F-statistic: 55.37 on 1 and 998 DF, p-value: 2.147e-13
```

Robustness

```
## which feedback was shown with gender
r2 <- lm(female ~ gender_feedback + ceo + tech + founder, data=d0)
# Display the summary with robust standard errors
robust_summary(r2)
##
## Call:
## lm(formula = female ~ gender_feedback + ceo + tech + founder,
##
      data = d0)
##
## Residuals:
##
      Min
               1Q Median
                              3Q
## -0.5445 -0.3153 -0.2776 0.4932 0.7851
##
## Coefficients:
##
                   Estimate Std. Error t value Pr(>|t|)
                   0.236400 0.102156 2.314 0.0209 *
## (Intercept)
## gender_feedback 0.229217 0.036083 6.353 3.22e-10 ***
## ceo
                  0.070785 0.046672 1.517 0.1297
## tech
                  0.008146 0.047623 0.171 0.8642
## founder
                 -0.029617
                             0.047594 -0.622 0.5339
## Signif. codes: 0 '***' 0.001 '**' 0.05 '.' 0.1 ' ' 1
## Residual standard error: 0.4743 on 995 degrees of freedom
## Multiple R-squared: 0.05818,
                                 Adjusted R-squared: 0.05439
## F-statistic: 15.37 on 4 and 995 DF, p-value: 3.357e-12
robust_confint(r2)
                        2.5 %
                                 97.5 %
##
                   0.03593469 0.43686486
## (Intercept)
## gender_feedback 0.15841068 0.30002398
## ceo
                  -0.02080162 0.16237168
## tech
                  -0.08530769 0.10159988
## founder
                 -0.12301310 0.06377988
## robust to demographic controls
r3 <- lm(female ~ gender_feedback + gender_code + race_code + age, data=d0)
# Display the summary with robust standard errors
robust_summary(r3)
##
## Call:
## lm(formula = female ~ gender_feedback + gender_code + race_code +
```

```
##
      age, data = d0)
##
## Residuals:
##
      Min
               1Q Median
                              3Q
                                     Max
## -0.5586 -0.3394 -0.2652 0.5005 0.7889
##
## Coefficients:
                   Estimate Std. Error t value Pr(>|t|)
##
## (Intercept)
                   7.397 2.95e-13 ***
## gender_feedback 0.223391
                             0.030199
## gender_code
                 -0.021694
                            0.030438 -0.713
                                                0.476
## race_code
                  -0.033666
                             0.036171 -0.931
                                                0.352
                  -0.001274
                             0.001292 -0.986
                                                0.324
## age
## ---
## Signif. codes: 0 '***' 0.001 '**' 0.05 '.' 0.1 ' ' 1
## Residual standard error: 0.4751 on 995 degrees of freedom
## Multiple R-squared: 0.05504,
                                  Adjusted R-squared: 0.05124
## F-statistic: 14.49 on 4 and 995 DF, p-value: 1.662e-11
robust_confint(r3)
##
                         2.5 %
                                  97.5 %
## (Intercept)
                   0.243025270 0.49113170
## gender_feedback 0.164128762 0.28265227
                -0.081423582 0.03803557
## gender_code
## race_code
                 -0.104645350 0.03731367
## age
                  -0.003809364 0.00126140
## logistic regression
# Fit the logistic regression model
r4 <- glm(female ~ gender_feedback, family = binomial, data=d0)
# Odds ratio
tidy_r4 <- tidy(r4, exponentiate = TRUE, conf.int = T)</pre>
print(tidy_r4)
## # A tibble: 2 x 7
##
                    estimate std.error statistic p.value conf.low conf.high
    term
##
    <chr>
                       <dbl>
                                <dbl> <dbl>
                                                  <dbl>
                                                           <dbl>
                                                                     <dbl>
## 1 (Intercept)
                       0.384
                               0.0998
                                          -9.59 8.60e-22
                                                           0.315
                                                                     0.466
## 2 gender_feedback
                       2.61
                               0.134
                                          7.17 7.52e-13
                                                           2.01
                                                                     3.41
```

Secondary Analysis

```
## ceo feedback
r_ceo <- lm(ceo_pick ~ ceo, data=d0)
# Display the summary with robust standard errors
robust_summary(r_ceo)
##
## Call:
## lm(formula = ceo_pick ~ ceo, data = d0)
##
## Residuals:
      Min 1Q Median
                            3Q
                                     Max
## -0.5053 -0.5053 0.4947 0.4947 0.5083
## Coefficients:
              Estimate Std. Error t value Pr(>|t|)
## (Intercept) 0.49174 0.03227 15.238 <2e-16 ***
## ceo
              0.01354
                          0.03704 0.366
                                            0.715
## ---
## Signif. codes: 0 '***' 0.001 '**' 0.05 '.' 0.1 ' ' 1
## Residual standard error: 0.5005 on 998 degrees of freedom
## Multiple R-squared: 0.0001346, Adjusted R-squared: -0.0008673
## F-statistic: 0.1343 on 1 and 998 DF, p-value: 0.7141
#robust_confint(r_ceo)
## founder feedback
r_founder <- lm(founder_pick ~ founder, data=d0)</pre>
# Display the summary with robust standard errors
robust_summary(r_founder)
##
## Call:
## lm(formula = founder_pick ~ founder, data = d0)
##
## Residuals:
##
      Min
             1Q Median
                            3Q
                                     Max
## -0.2955 -0.2955 -0.2955 0.7045 0.7807
##
## Coefficients:
##
              Estimate Std. Error t value Pr(>|t|)
                         0.02532 8.661 <2e-16 ***
## (Intercept) 0.21933
              0.07615
                          0.03044
                                   2.501
                                           0.0125 *
## founder
## ---
## Signif. codes: 0 '***' 0.001 '**' 0.05 '.' 0.1 ' ' 1
## Residual standard error: 0.4457 on 998 degrees of freedom
```

```
## Multiple R-squared: 0.00572,
                                  Adjusted R-squared: 0.004724
## F-statistic: 5.741 on 1 and 998 DF, p-value: 0.01675
#robust_confint(r_founder)
## tech feedback
r_tech <- lm(tech_pick ~ tech, data=d0)
# Display the summary with robust standard errors
robust_summary(r_tech)
##
## Call:
## lm(formula = tech_pick ~ tech, data = d0)
## Residuals:
      Min
              1Q Median
                              3Q
                                     Max
## -0.3132 -0.3132 -0.3132 0.6868 0.7004
## Coefficients:
              Estimate Std. Error t value Pr(>|t|)
##
## (Intercept) 0.29958
                         0.02988 10.026
                                           <2e-16 ***
## tech
              0.01366
                          0.03429
                                  0.398
                                             0.69
## Signif. codes: 0 '***' 0.001 '**' 0.05 '.' 0.1 ' ' 1
## Residual standard error: 0.4629 on 998 degrees of freedom
## Multiple R-squared: 0.0001577, Adjusted R-squared: -0.0008441
## F-statistic: 0.1574 on 1 and 998 DF, p-value: 0.6916
#robust_confint(r_tech)
## 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
## -0.5655 -0.3335 -0.2391 0.4889 0.8081
##
## Coefficients:
##
                              Estimate Std. Error t value Pr(>|t|)
                              ## (Intercept)
```

Figure S4 Code

```
## dataframe for Gender information
dgender_plot <- d0 |>
  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 |>
  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 |>
  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 |>
  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} \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,
            → label = "***"),
            inherit.aes = FALSE, vjust = 0) +
  theme_bw() +
  scale_fill_manual(values = c("#535350", "#c18354"), 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...", y = "% of New Panelists with the

→ Target Identity",

      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 = 21),
       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(colour = "white", fill = "white"))
# Save the plot with Times New Roman font
ggsave("Figure-S4.pdf", plot = p_combined, width = 10, height = 8, units = "in", device =

    cairo_pdf, family = "Times New Roman")
```

System of Simultaneous Equations

##			${\tt Wald.Coefficient}$	P_Value
##	Gender	Feedback - Founder Feedback	57.74091	4.574119e-14
##	Gender	Feedback - Tech Feedback	78.69334	0.000000e+00
##	Gender	Feedback - CEO Feedback	17.69969	2.701487e-05