final

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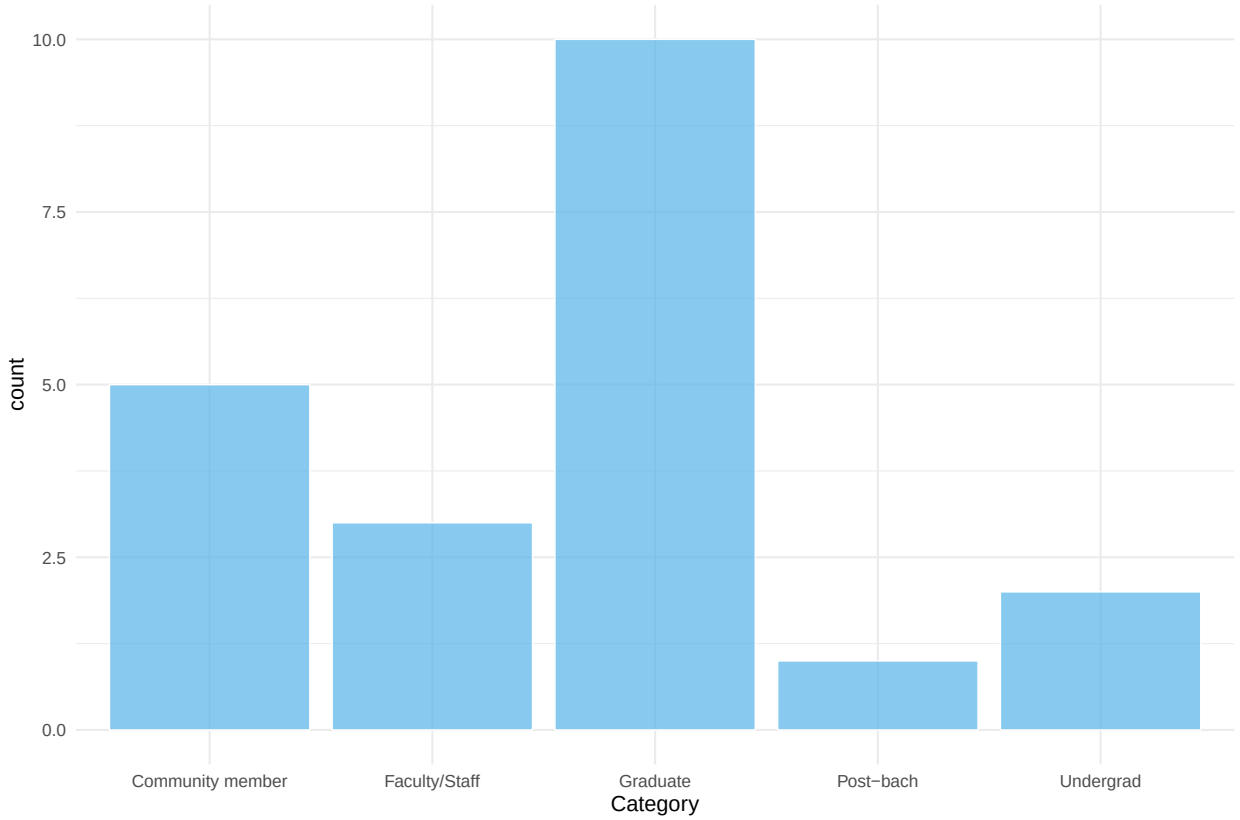
2/21/2019

```
# Resize plot
knitr::opts_chunk$set(fig.width=12, fig.height=8)
```

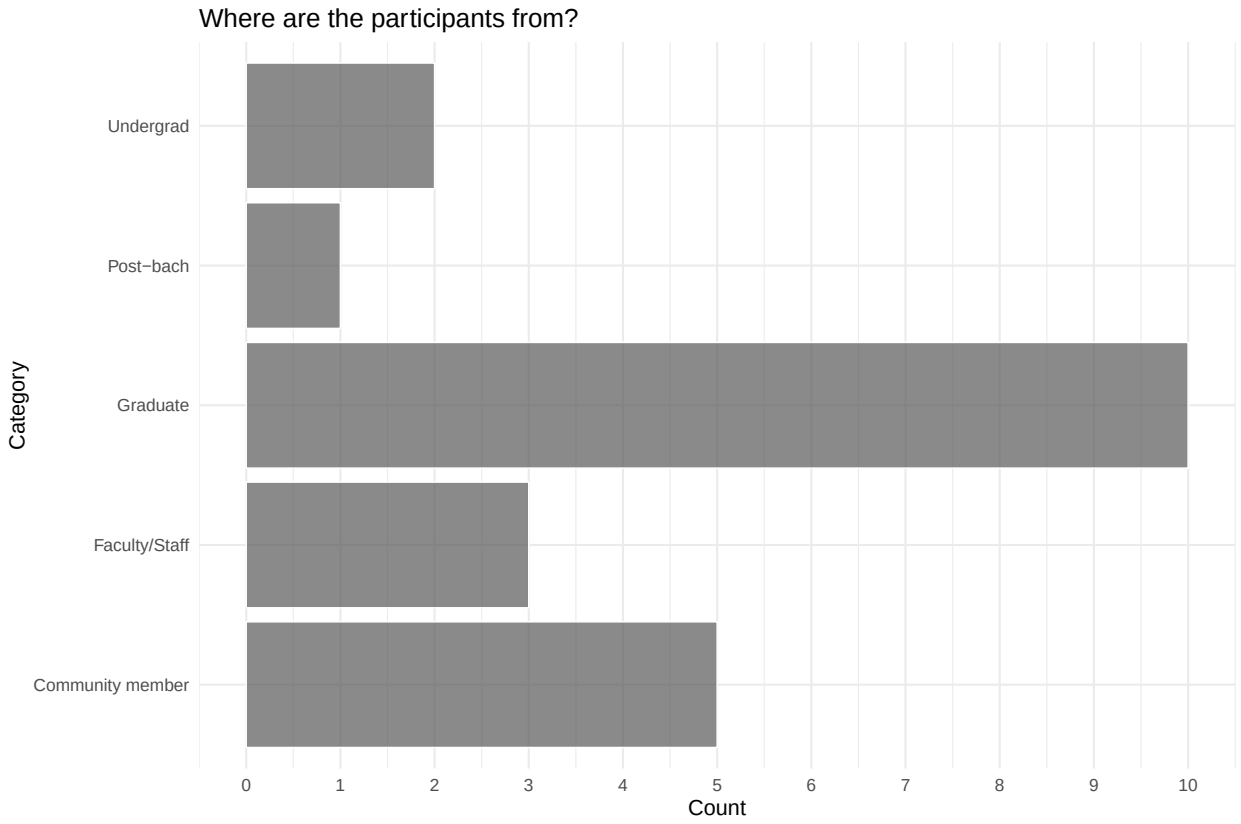
```
SKY <- import(here("data", "survey.xlsx"), setclass = "tbl_df")

str(SKY)
```

```
## Classes 'tbl_df', 'tbl' and 'data.frame':    21 obs. of  18 variables:
##  $ Name                       : chr  "FB" "SH" "DD" "NP" ...
##  $ Gender                     : chr  "Male" "Female" "Female" "Female" ...
##  $ Category                   : chr  "Faculty/Staff" "Community member" "Community member" "Graduate"
##  $ Class                      : chr  NA NA NA NA ...
##  $ Experience                 : chr  "I thought it was positive and powerful." "It was very beautiful.
##  $ Say                        : chr  "It's a connection that connects" "I would say it is very much wo
##  $ Recommend-10               : num  9 10 10 8 10 10 10 9 10 10 ...
##  $ energy                     : num  5 5 5 5 4 5 5 5 NA 5 ...
##  $ clarity_mind               : num  5 5 5 5 4 5 5 5 NA 5 ...
##  $ multiple_responsibilities: num  4 5 5 5 5 5 5 5 NA 5 ...
##  $ connect_to_myself          : num  5 5 5 5 4 5 5 5 NA 5 ...
##  $ stay_focused               : num  5 5 5 5 5 5 5 5 NA 5 ...
##  $ remain_calm                : num  5 5 5 5 3 5 5 5 NA 5 ...
##  $ gain_resilience            : num  5 5 5 5 4 5 5 5 NA 5 ...
##  $ broader_perspectives       : num  5 5 5 5 5 5 5 5 NA 4 ...
##  $ connect_with_others        : num  5 5 5 5 5 5 5 5 NA 4 ...
##  $ good_investment_of_time    : num  5 5 5 4 5 5 5 5 5 5 ...
##  $ Recommend                  : num  4 5 5 4 5 5 5 5 5 5 ...
```

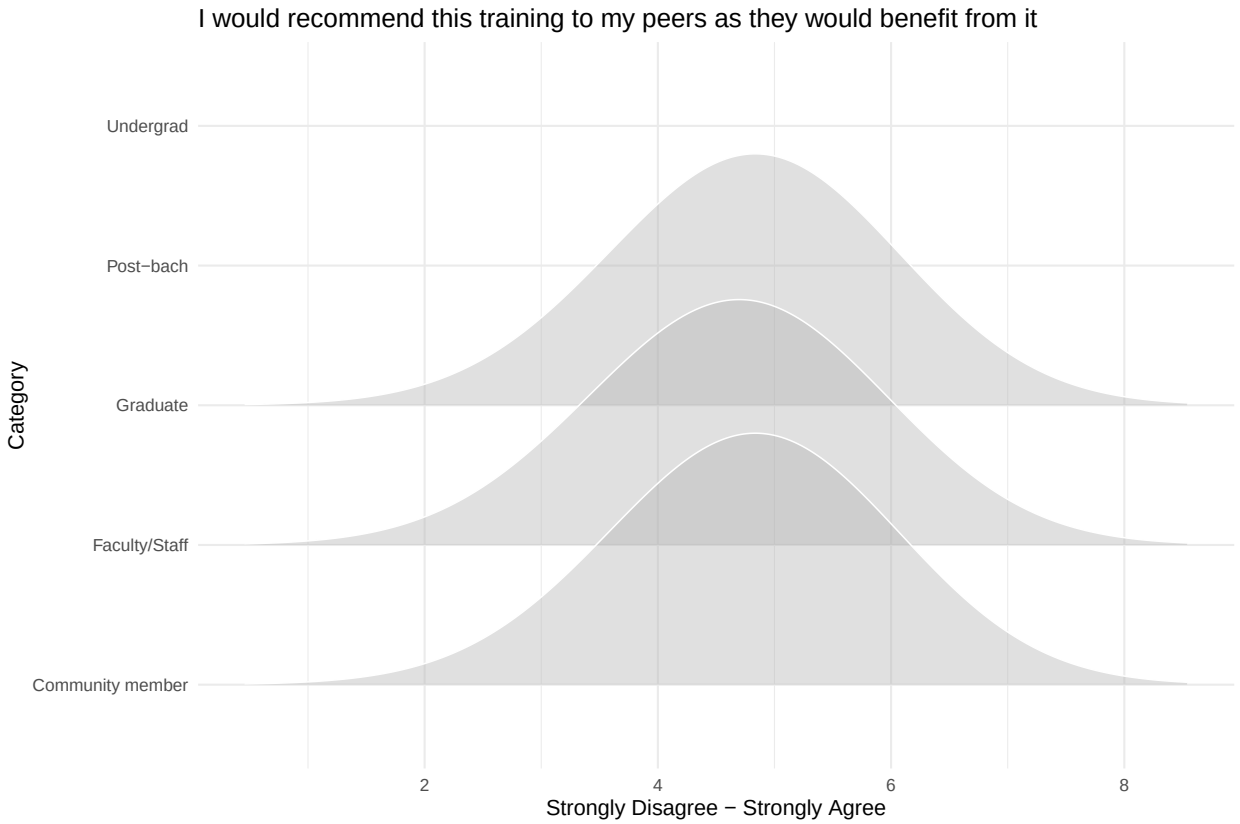
```
Fig1.1 <- ggplot(SKY, aes(x = Category)) +
  geom_histogram(stat = "Count",
                 fill = "#56B4E9",
                 color = "white",
                 alpha = 0.7) +
   theme_minimal(base_size = 15)

Fig1.1
```



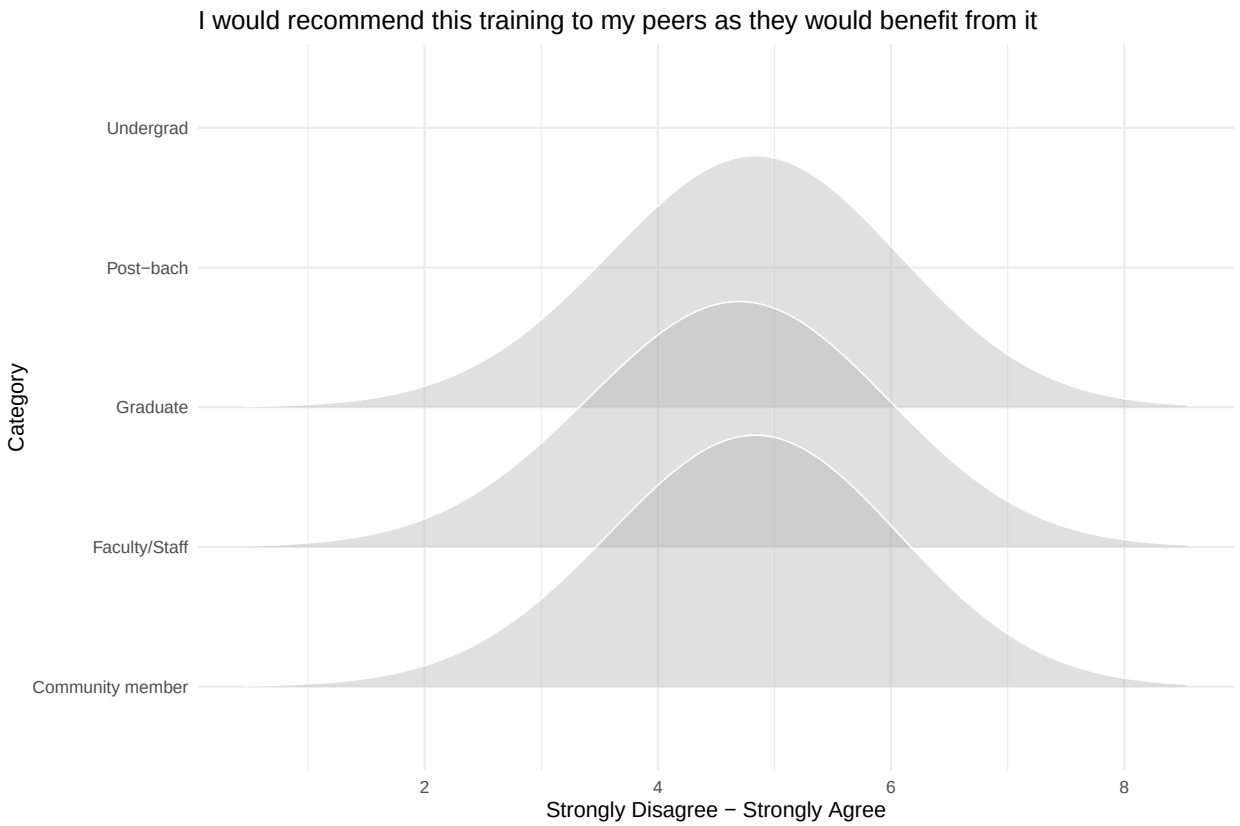

```
Fig1.2 <- ggplot(SKY, aes(x = Category,
                          decreasing = TRUE)) +
  geom_histogram(stat = "count",
                 color = "white",
                 alpha = 0.7) +
  scale_y_continuous(breaks = seq(0, 11, by = 1)) +
  scale_fill_OkabeIto() +
  coord_flip() +
  labs(x = "Category",
       y = "Count",
       title = "Where are the participants from?") +
    theme_minimal(base_size = 15)

Fig1.2
```



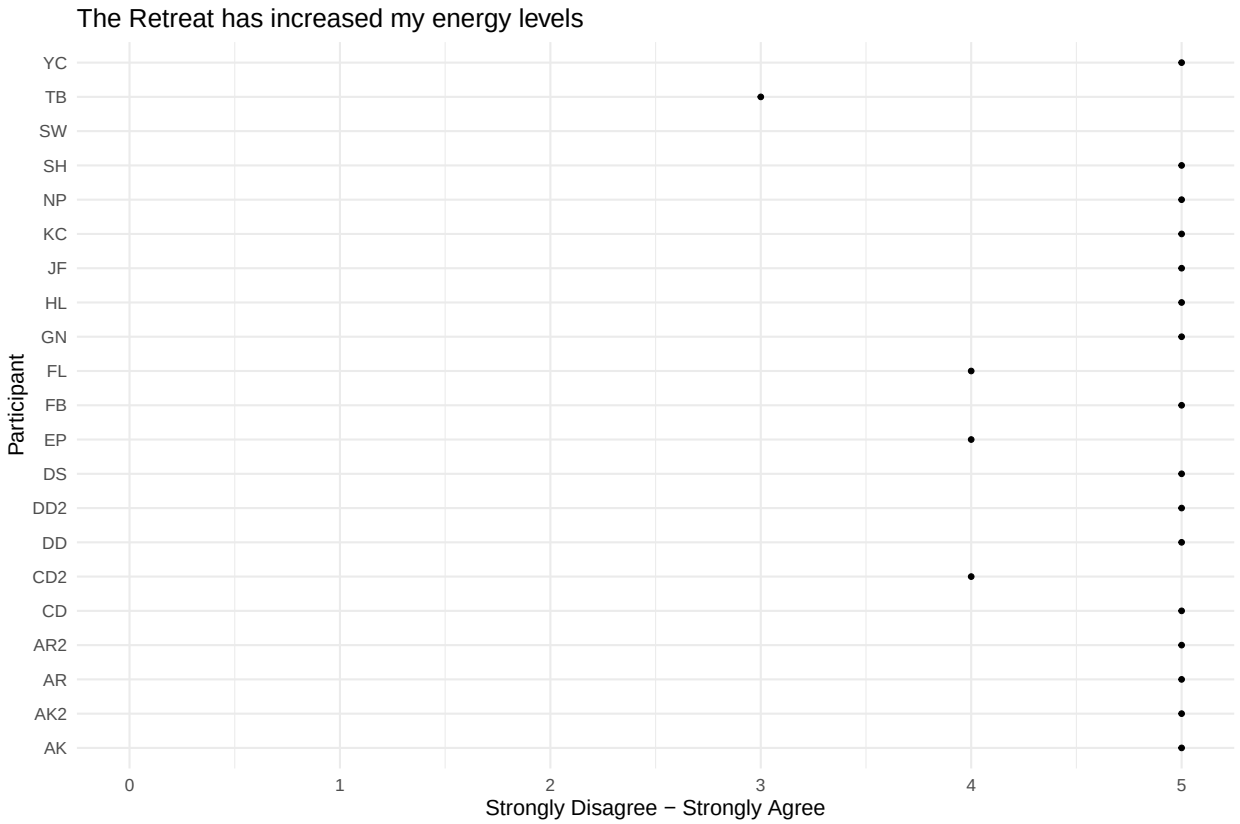

```
Fig2.1 <- ggplot(SKY, x = 0:5, aes(Recommend, Category)) +
   ggridges::geom_density_ridges(color = "white",
                                 alpha = 0.4) +
  scale_color_OkabeIto() +
    labs(x = "Strongly Disagree - Strongly Agree",
       y = "Category",
       title = "I would recommend this training to my peers as they would benefit from it")  +
   theme_minimal(base_size = 15)
Fig2.1
```



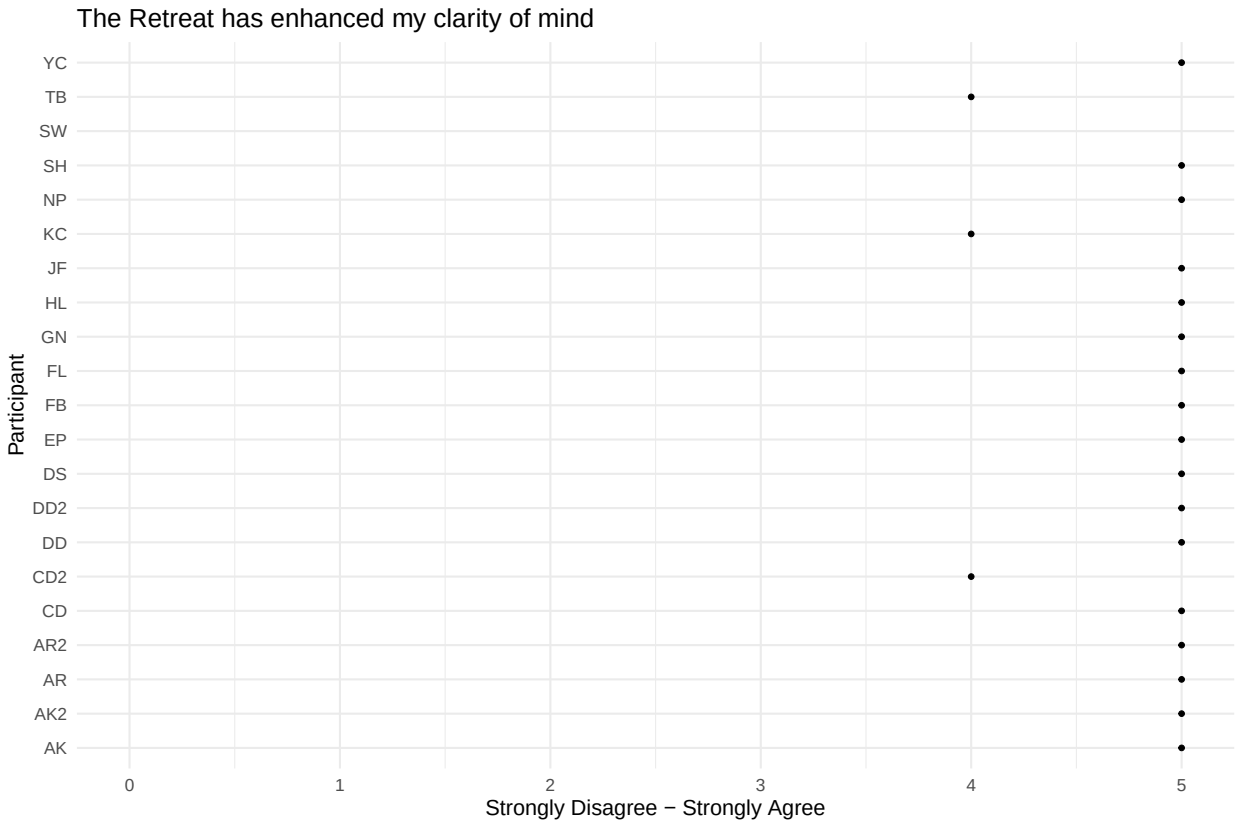

```
Fig2.2 <- ggplot(SKY, x = 0:5, aes(Recommend, Category)) +
   ggridges::geom_density_ridges(color = "white",
                                 alpha = 0.4) +
  scale_color_OkabeIto() +
    labs(x = "Strongly Disagree - Strongly Agree",
       y = "Category",
       title = "I would recommend this training to my peers as they would benefit from it")  +
  theme_minimal(base_size = 15)
Fig2.2
```



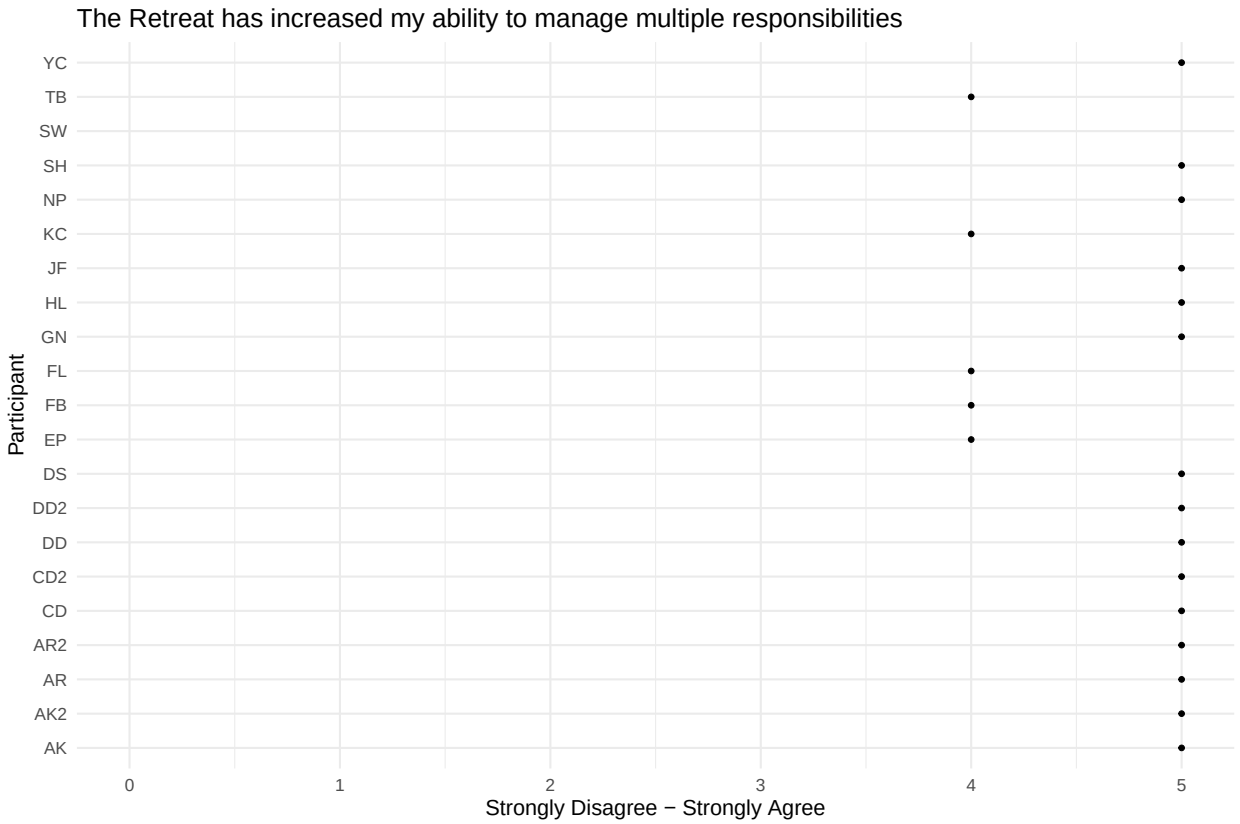

```
Fig3.1 <- ggplot(SKY, aes(x = Name, y = energy)) +
   geom_point() +
  coord_flip() +
  labs(x = "Participant",
       y = "Strongly Disagree - Strongly Agree",
       title = "The Retreat has increased my energy levels") +
    theme_minimal(base_size = 15)
Fig3.1 + ylim(0, 5)
```



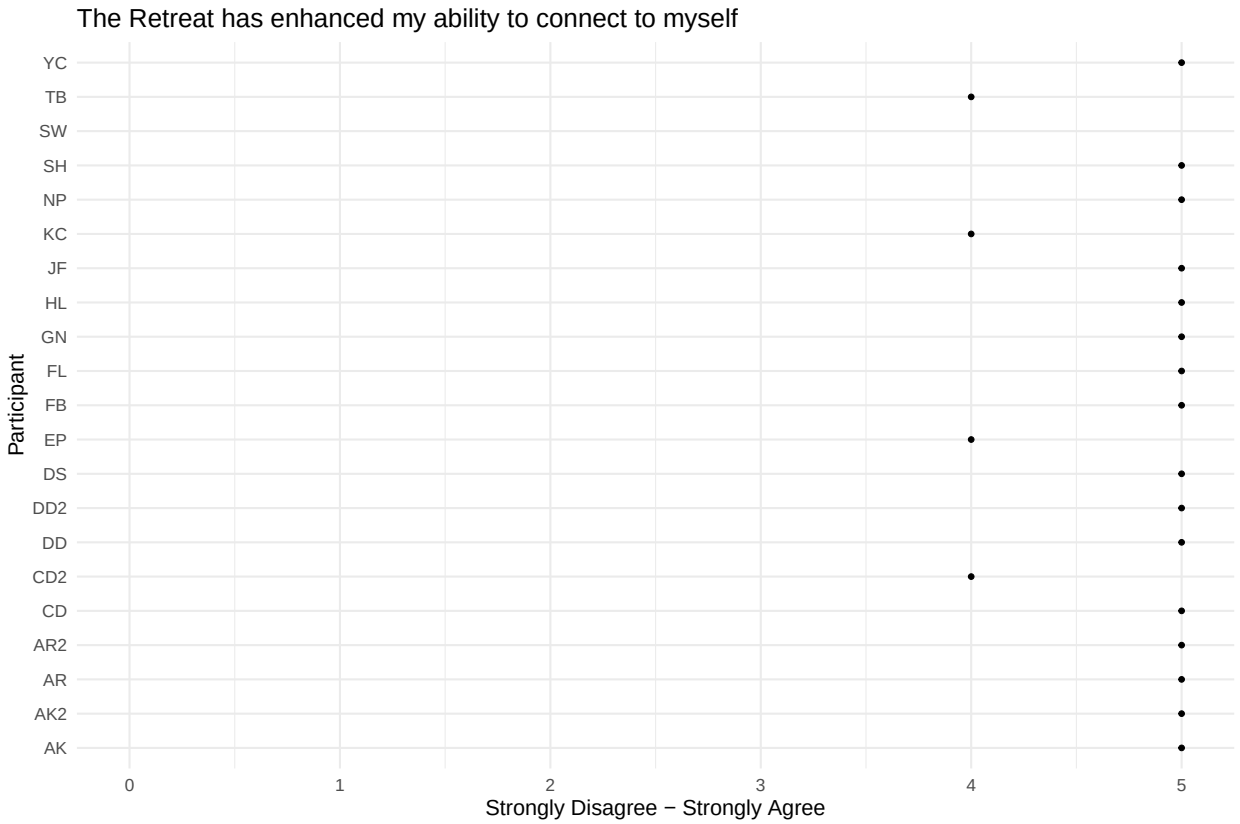

```
Fig3.2 <- ggplot(SKY, aes(x = Name, y = clarity_mind)) +
  geom_point() +
  coord_flip() +
    labs(x = "Participant",
       y = "Strongly Disagree - Strongly Agree",
       title = "The Retreat has enhanced my clarity of mind") +
    theme_minimal(base_size = 15)
Fig3.2 + ylim(0, 5)
```



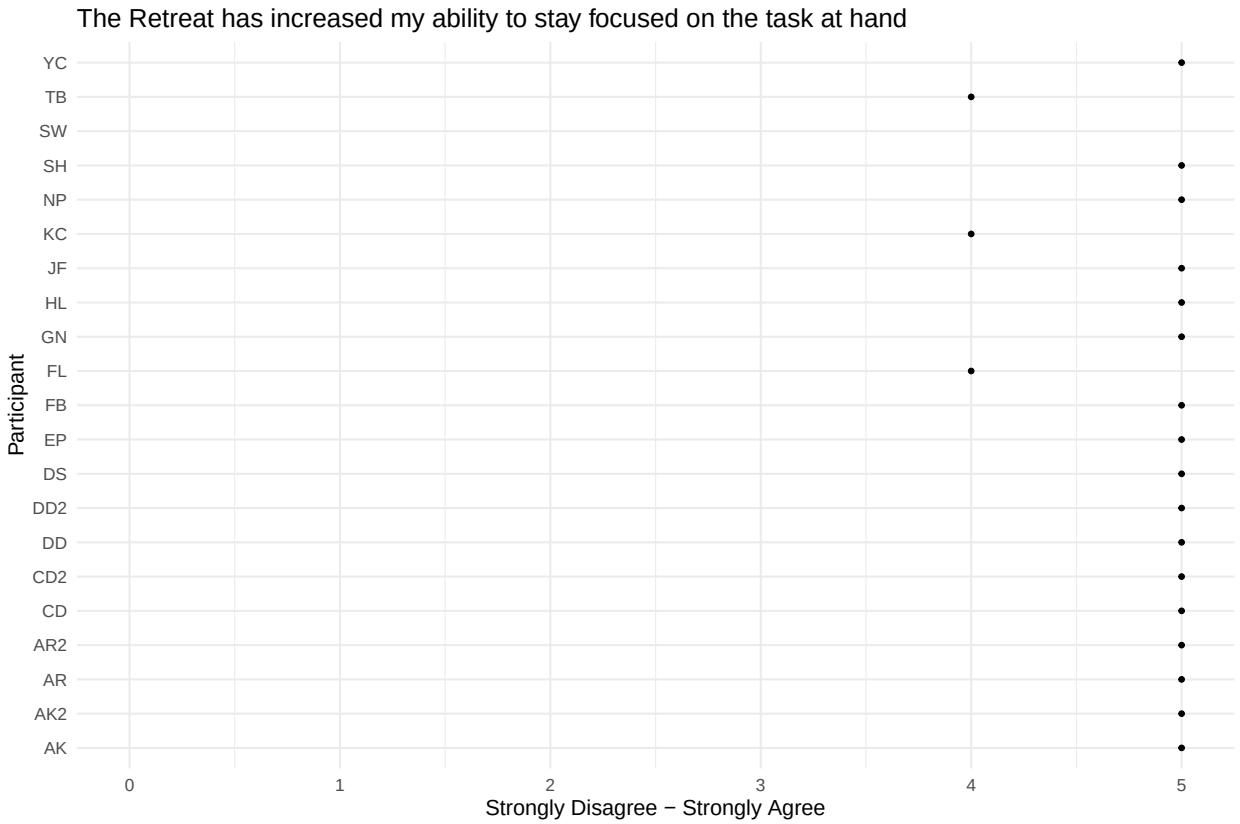

```
Fig3.3 <- ggplot(SKY, aes(x = Name, y = multiple_responsibilities)) +
  geom_point() +
  coord_flip() +
    labs(x = "Participant",
       y = "Strongly Disagree - Strongly Agree",
       title = "The Retreat has increased my ability to manage multiple responsibilities") +
    theme_minimal(base_size = 15)
Fig3.3 + ylim(0, 5)
```



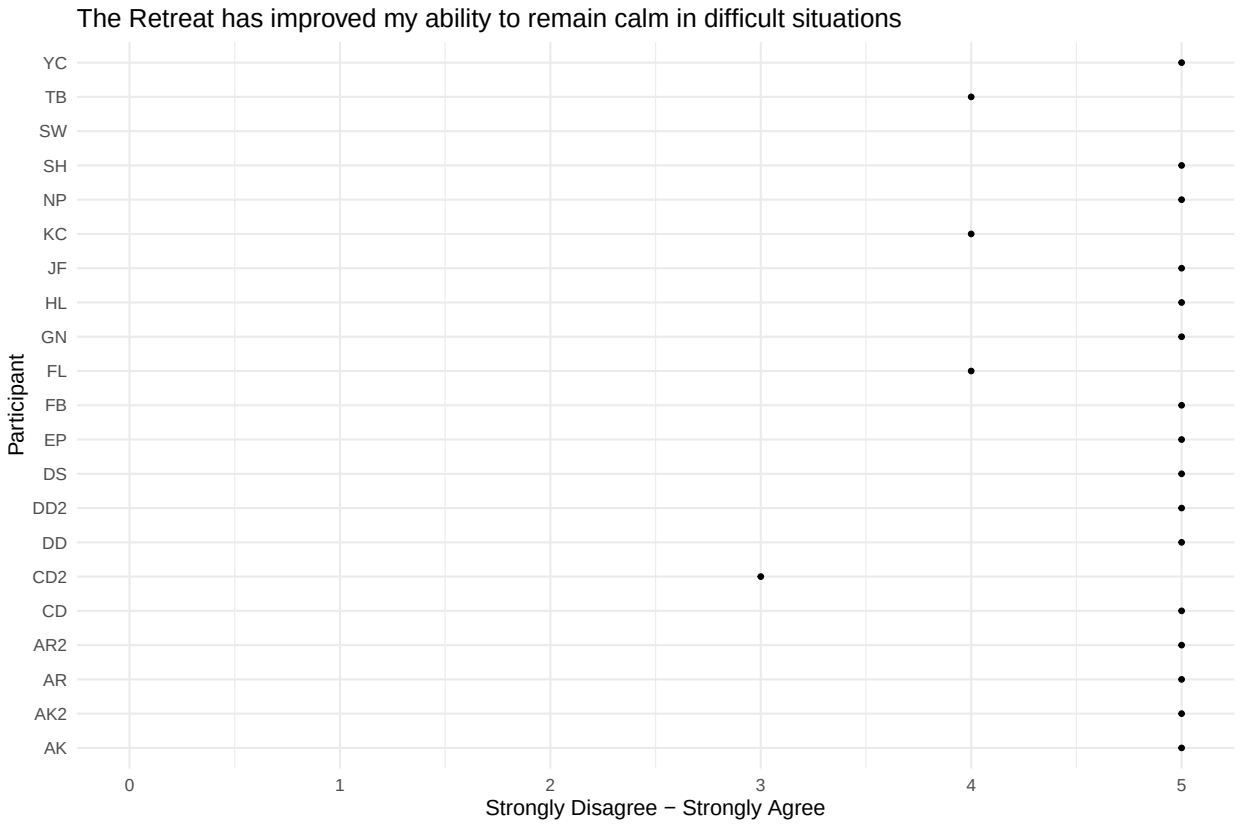

```
Fig3.4 <- ggplot(SKY, aes(x = Name, y = connect_to_myself)) +
  geom_point() +
  coord_flip() +
    labs(x = "Participant",
       y = "Strongly Disagree - Strongly Agree",
       title = "The Retreat has enhanced my ability to connect to myself") +
    theme_minimal(base_size = 15)
Fig3.4 + ylim(0, 5)
```



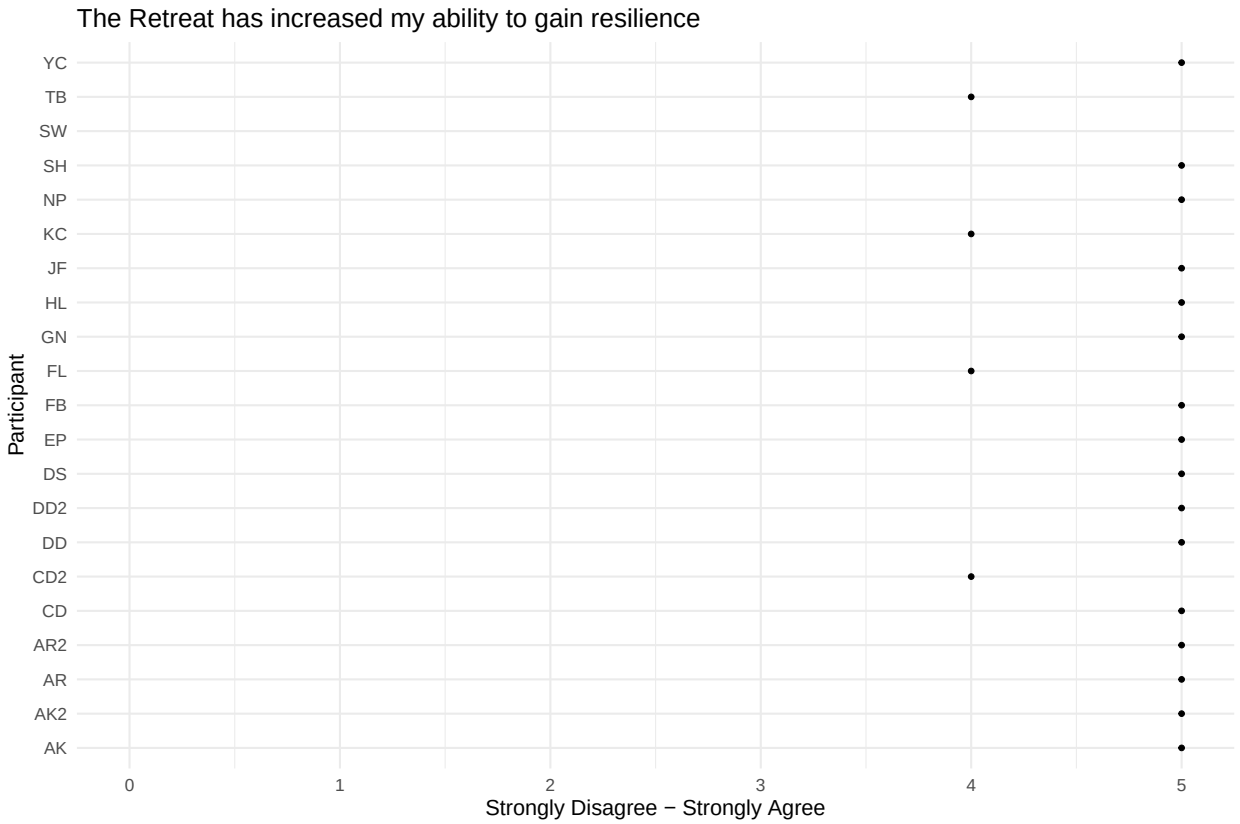

```
Fig3.5 <- ggplot(SKY, aes(x = Name, y = stay_focused)) +
  geom_point() +
  coord_flip() +
    labs(x = "Participant",
       y = "Strongly Disagree - Strongly Agree",
       title = "The Retreat has increased my ability to stay focused on the task at hand") +
    theme_minimal(base_size = 15)
Fig3.5 + ylim(0, 5)
```



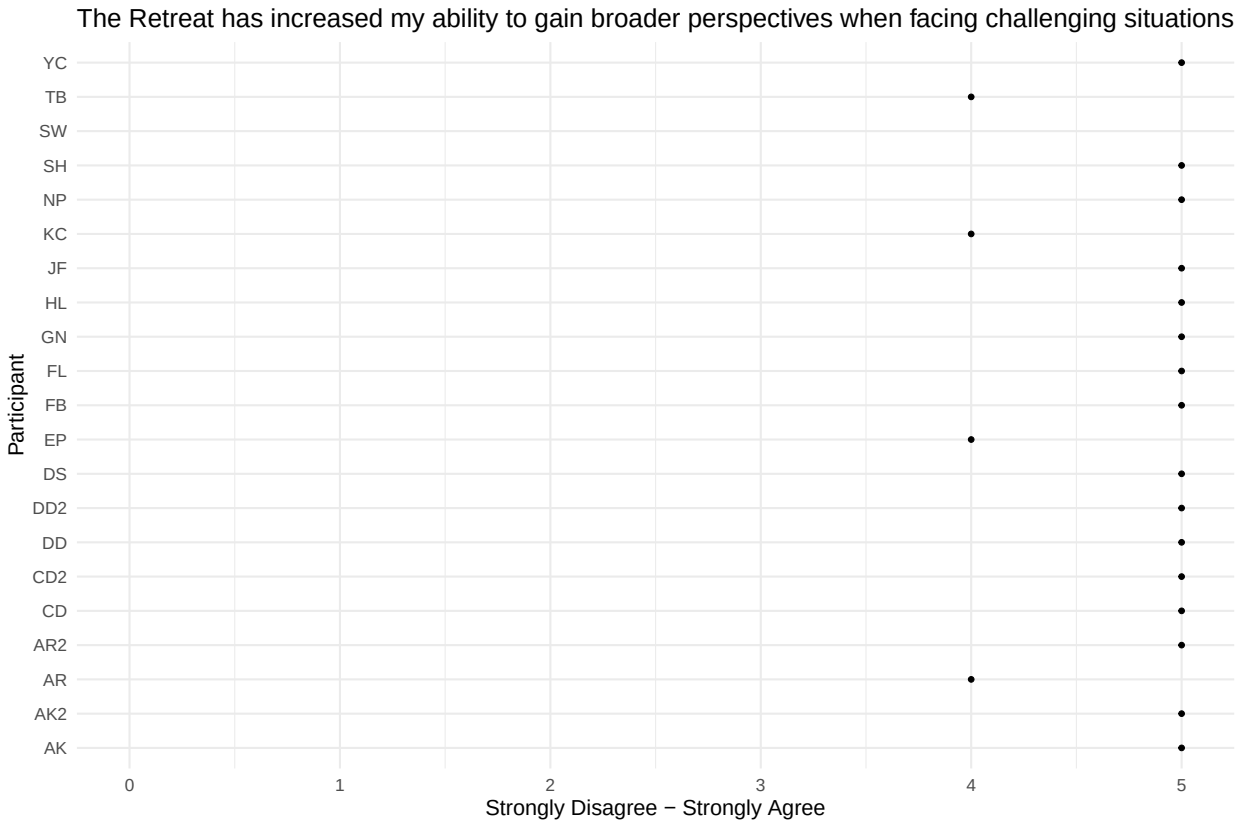

```
Fig3.6 <- ggplot(SKY, aes(x = Name, y = remain_calm)) +
  geom_point() +
  coord_flip() +
    labs(x = "Participant",
       y = "Strongly Disagree - Strongly Agree",
       title = "The Retreat has improved my ability to remain calm in difficult situations") +
    theme_minimal(base_size = 15)
Fig3.6 + ylim(0, 5)
```



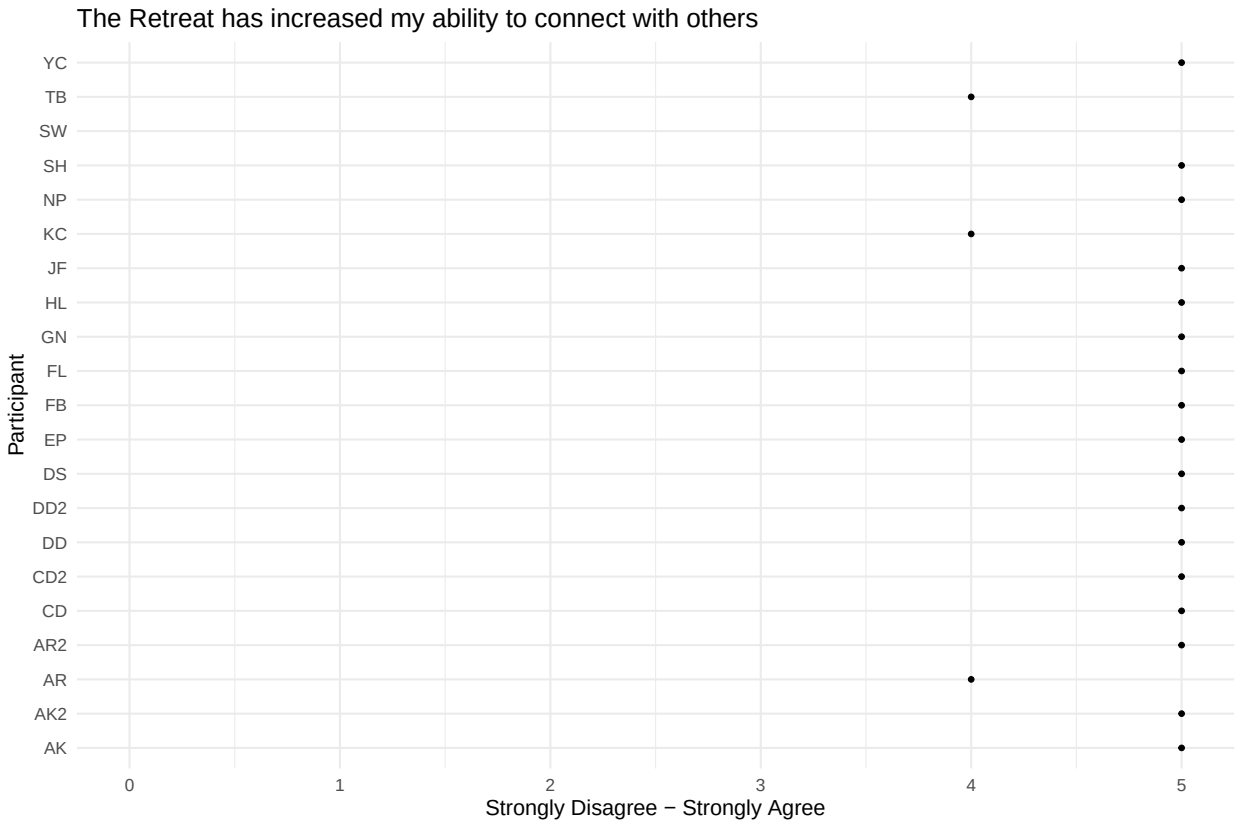

```
Fig3.7 <- ggplot(SKY, aes(x = Name, y = gain_resilience)) +
  geom_point() +
  coord_flip() +
    labs(x = "Participant",
       y = "Strongly Disagree - Strongly Agree",
       title = "The Retreat has increased my ability to gain resilience")+
    theme_minimal(base_size = 15)
Fig3.7 + ylim(0, 5)
```



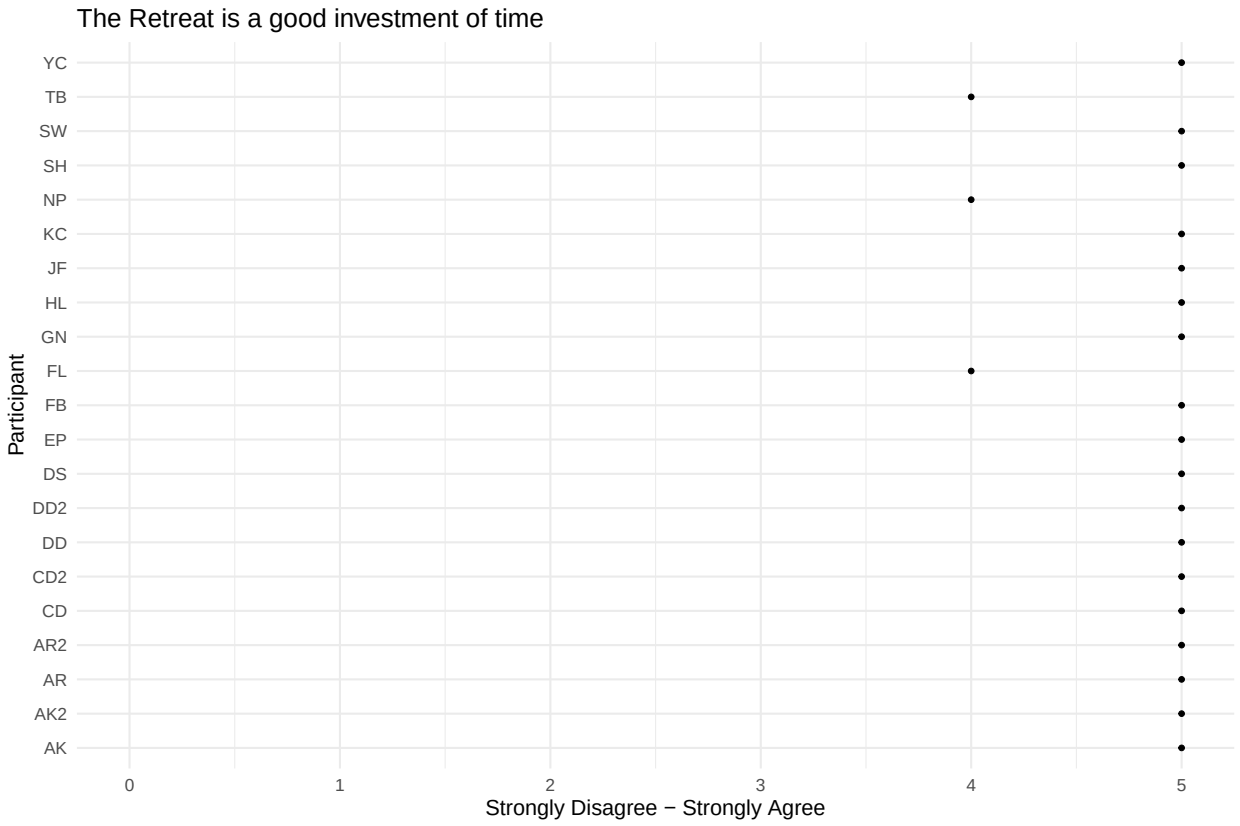

```
Fig3.8 <- ggplot(SKY, aes(x = Name, y = broader_perspectives)) +
  geom_point() +
  coord_flip() +
    labs(x = "Participant",
       y = "Strongly Disagree - Strongly Agree",
       title = "The Retreat has increased my ability to gain broader perspectives when facing challengi
    theme_minimal(base_size = 15)
Fig3.8 + ylim(0, 5)
```




```
Fig3.9 <- ggplot(SKY, aes(x = Name, y = connect_with_others)) +
  geom_point() +
  coord_flip() +
    labs(x = "Participant",
       y = "Strongly Disagree - Strongly Agree",
       title = "The Retreat has increased my ability to connect with others") +
    theme_minimal(base_size = 15)
Fig3.9 + ylim(0, 5)
```




```
Fig3.10 <-ggplot(SKY, aes(x = Name, y = good_investment_of_time)) +
  geom_point() +
  coord_flip() +
    labs(x = "Participant",
       y = "Strongly Disagree - Strongly Agree",
       title = "The Retreat is a good investment of time") +
    theme_minimal(base_size = 15)
Fig3.10 + ylim(0, 5)
```




```
experience <- c("I thought it was positive and powerful",
                "It was very beautiful. It felt like truth",
                "Fantastic growth experience",
                "Wonderful! There were physically challenging moments while sitting for Sudarshan Kriya
                "I had a wonderful experience. I had been feeling very unbalanced and uncertain. I now
                "I feel empowered and enlightened",
                "Very positive! Uplifting. Beautiful. Meaningful",
                "Great! I feel more relaxed, confident & can concentrate more on what I am doing",
                "So positive! I feel more capable of managing the things that come my way, and more oper
                "It was enlightening and freeing",
                "It was completely transformative. I LOVED it and felt so grateful for Sarah and Ting-f
                "Wonderful!",
                "Kind. Open. Good experience",
                "Very positive, nurturing, and invigorating",
                "Nice. Learned so many new things",
                "Very positive and good use of time",
                "Amazing! So calming, welcoming, and educational",
                "Pretty amazing",
                "Amazing",
                "I enjoyed it",
                "It was great")

experience_df <- tibble(line = 1:21, text = experience)

experience_df %>%
  unnest_tokens(word, text)
```

```
## # A tibble: 173 x 2
##     line word
##    <int> <chr>
##  1     1 i
##  2     1 thought
##  3     1 it
##  4     1 was
##  5     1 positive
##  6     1 and
##  7     1 powerful
##  8     2 it
##  9     2 was
## 10     2 very
## # ... with 163 more rows
```

```
data(stop_words)

experience_df <- experience_df %>%
  anti_join(stop_words)
```

```
## Error: `by` required, because the data sources have no common variables
```

```
experience_df %>%
  count(word, sort = TRUE)
```

```
## Error in grouped_df_impl(data, unname(vars), drop): Column `word` is unknown
```

```
experience_df  %>%
  count(word, sort = TRUE) %>%
  filter (n > 600) %>%
  mutate(word = reorder(word, n)) %>%
  ggplot(aes(word, n)) +
  geom_col() +
  xlab(NULL) +
  coord_flip() +
    theme_minimal(base_size = 15)
```

```
## Error in grouped_df_impl(data, unname(vars), drop): Column `word` is unknown
```