AMINGA 2024 Student Survey Analysis

Setup

```r
library(here)
library(readr)
library(janitor)
library(dplyr)
library(magrittr)
library(likert)
library(ggplot2)
library(tidyr)

# wordcloud
library(tidytext)
library(wordcloud)
```

```r
data_location <- here("Data", "2024 - AMINGA Youth Participant Survey Responses - Master.csv"

survey <- read_csv(data_location, skip = 2) %>%
  clean_names()


survey_df <- survey %>%
  dplyr::select(
    status,
    gender_genero,
    sport_overall_experience_1_not_great_3_neutral_5_amazing_experiencia_na_modalidade_1_sufi
    english_1_not_great_3_neutral_5_amazing_ingles_1_suficiente_3_bom_5_muito_bom,
    art_1_not_great_3_neutral_5_amazing_arte_1_suficiente_3_bom_5_muito_bom,
    computer_1_not_great_3_neutral_5_amazing_computer_1_suficiente_3_bom_5_muito_bom,
    team_building_1_not_great_3_neutral_5_amazing_trabalho_de_equipa_1_suficiente_3_bom_5_mui
```

```r
    human_rights_direitos_humanos_1_not_great_3_neutral_5_amazing_direitos_humanos_1_suficien
    career_readiness_orientacao_de_carreira_1_not_great_3_neutral_5_amazing_orientacao_de_car
    yoga_mindfulness_1_not_great_3_neutral_5_amazing_ioga_atencao_plena_1_suficiente_3_bom_5_
    food_1_not_great_3_neutral_5_amazing_comida_1_suficiente_3_bom_5_muito_bom,
    aminga_staff_2024_overall_1_not_great_3_neutral_5_amazing_equipa_de_aminga_2024_em_geral_
    aminga_camp_2024_overall_1_not_great_3_neutral_5_amazing_campus_aminga_2024_em_geral_1_su
    do_you_want_to_return_to_aminga_camp_in_2024_queres_voltar_para_o_campus_aminga_em_2024
  ) %>%
  dplyr::rename(
    english = english_1_not_great_3_neutral_5_amazing_ingles_1_suficiente_3_bom_5_muito_bom,
    art = art_1_not_great_3_neutral_5_amazing_arte_1_suficiente_3_bom_5_muito_bom,
    computer = computer_1_not_great_3_neutral_5_amazing_computer_1_suficiente_3_bom_5_muito_l
    team_building = team_building_1_not_great_3_neutral_5_amazing_trabalho_de_equipa_1_sufici
    human_rights = human_rights_direitos_humanos_1_not_great_3_neutral_5_amazing_direitos_hun
    career_readiness = career_readiness_orientacao_de_carreira_1_not_great_3_neutral_5_amazin
    yoga = yoga_mindfulness_1_not_great_3_neutral_5_amazing_ioga_atencao_plena_1_suficiente_3
    food = food_1_not_great_3_neutral_5_amazing_comida_1_suficiente_3_bom_5_muito_bom,
    staff_overall = aminga_staff_2024_overall_1_not_great_3_neutral_5_amazing_equipa_de_aming
    camp_overall = aminga_camp_2024_overall_1_not_great_3_neutral_5_amazing_campus_aminga_202
    sport = status,
    gender = gender_genero,
    sport_experience = sport_overall_experience_1_not_great_3_neutral_5_amazing_experiencia_r
    return_next_year = do_you_want_to_return_to_aminga_camp_in_2024_queres_voltar_para_o_camp
  ) %>%
  mutate(
    sport = trimws(gsub("\\([^\\(\\)]*\\)", "", sport)),
    gender = trimws(gsub("\\([^\\(\\)]*\\)", "", gender)),
    return_next_year = trimws(gsub("\\s*\\([^\\)]+\\)","",return_next_year))
  ) %>%
  mutate(across(where(is.numeric), function(x) factor(x, levels = 1:5, labels = c(
            "Not Great",
            "Meh",
            "Neutral",
            "Great",
            "Amazing"
          )))) %>%
  as.data.frame()


comments_sport_df <- survey %>%
  select(
    i_loved_about_the_sport_eu_amei_sobre_a_modalidade,
```

2

```
    i_would_change_about_the_sport_eu_mudaria_sobre_a_modalidade,
    comments_regarding_art_class_comentarios_sobre_as_aulas_de_arte,
    comments_regarding_english_class_comentarios_sobre_a_aula_de_ingles,
    comments_regarding_computer_class_comentarios_sobre_as_aulas_de_informatica,
    comments_regarding_team_building_comentarios_sobre_trabalho_de_equipa,
    comments_regarding_human_rights_comentarios_sobre_direitos_humanos,
    comments_regarding_career_readiness_comentarios_sobre_orientacao_de_carreira,
    comments_regarding_yoga_class_comentarios_sobre_a_aula_de_yoga,
    comments_regarding_the_food_comentarios_sobre_a_comida,
    aminga_staff_2024_overall_insert_appreciations_for_any_of_the_staff_equipa_de_aminga_em_g
    any_comments_or_suggestions_algum_comentario_ou_sugestao
)


prep_word_cloud <- function(colname){

  pt_stopwords <- tibble(word = stopwords::stopwords('pt'))

  comments_sport_df %>%
    select({{colname}}) %>%
    unnest_tokens(word, {{colname}}) %>%
    count(word, sort = TRUE)%>%
    anti_join(pt_stopwords, by = "word")

}
```

Sports Overall

```
likert_overall_sport <- likert(items = survey_df %>% dplyr::select(sport_experience))

likert_overall_sport
```
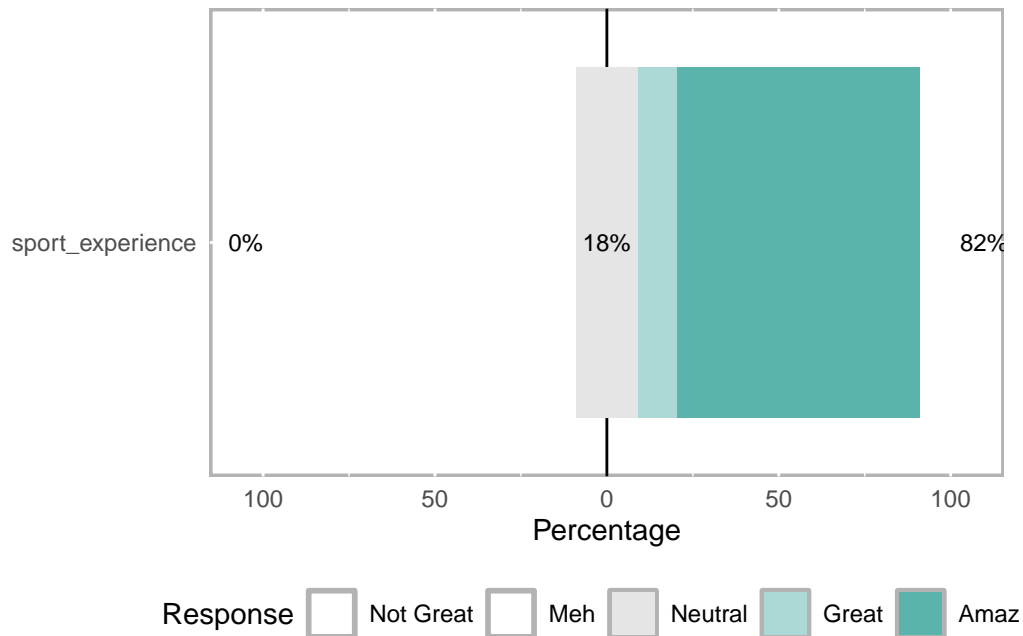
```
          Item Not Great Meh  Neutral    Great  Amazing
1 sport_experience        0    0 17.94872 11.53846 70.51282
```

We can see that over 70% of students thought that the camp was amazing.

```
plot(likert_overall_sport)
```

We can see that over 82% of students thought that the camp was either great or amazing.

Subjects Overall

```
likert_subjects <- likert(items = survey_df %>% dplyr::select(art, english, computer, human_r
```

```
likert_subjects$results
```

Item	Not Great	Meh	Neutral	Great	Amazing
art	1.282051	0.000000	19.230769	5.128205	74.35897
english	2.597403	3.896104	33.766234	11.688312	48.05195
computer	2.564103	1.282051	25.641026	10.256410	60.25641
human_rights	0.000000	0.000000	20.779221	11.688312	67.53247
career_readiness	8.860760	5.063291	29.113924	16.455696	40.50633
team_building	1.282051	0.000000	1.282051	1.282051	96.15385
yoga	2.666667	8.000000	10.666667	9.333333	69.33333

```
plot(likert_subjects, centered=TRUE, center=3, include.center=TRUE)
```

4
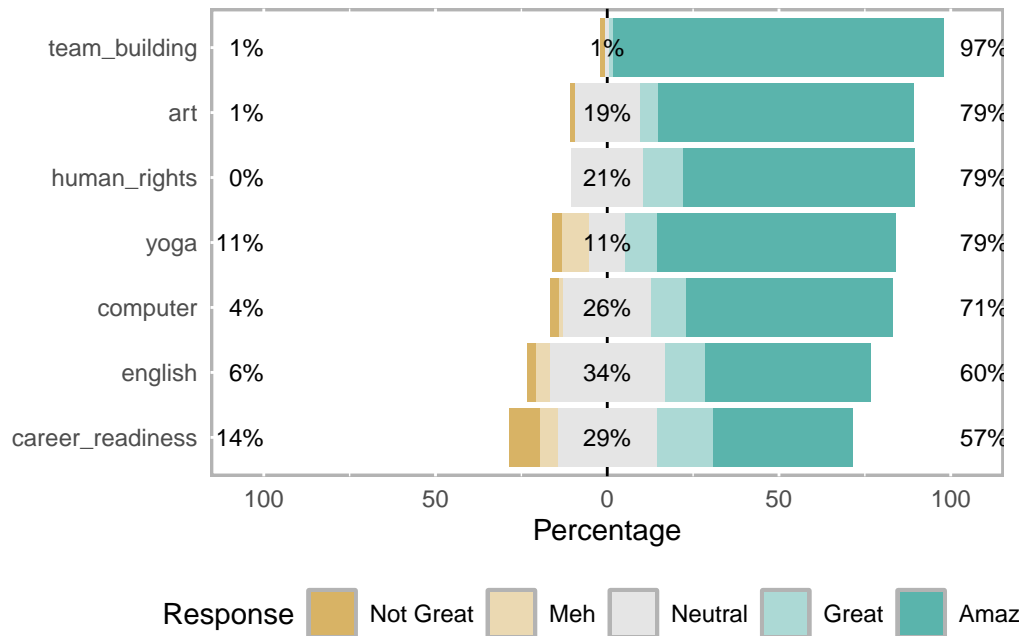
We can see that over 97% of students thought that team building was either great or amazing. In contrast, 57% of students thought that career readiness was either great or amazing.

Food Overall
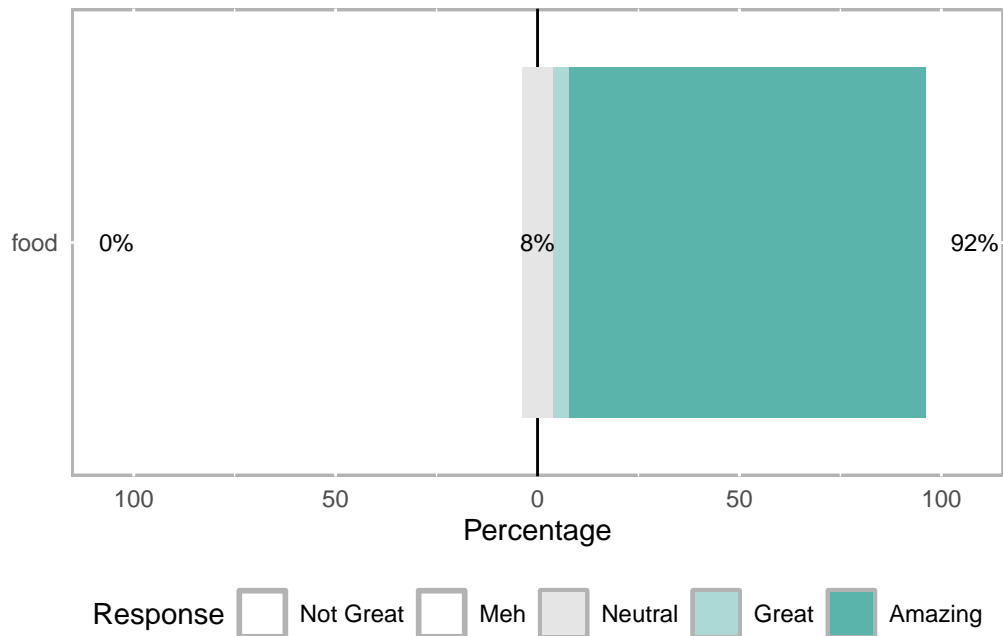
```
likert_overall_food <- likert(items = survey_df %>% dplyr::select(food))
```

```
likert_overall_food$results
```

Item	Not Great	Meh	Neutral	Great	Amazing
food	0	0	7.792208	3.896104	88.31169

We can see that over 88% of students thought that the food was amazing.

```
plot(likert_overall_food)
```
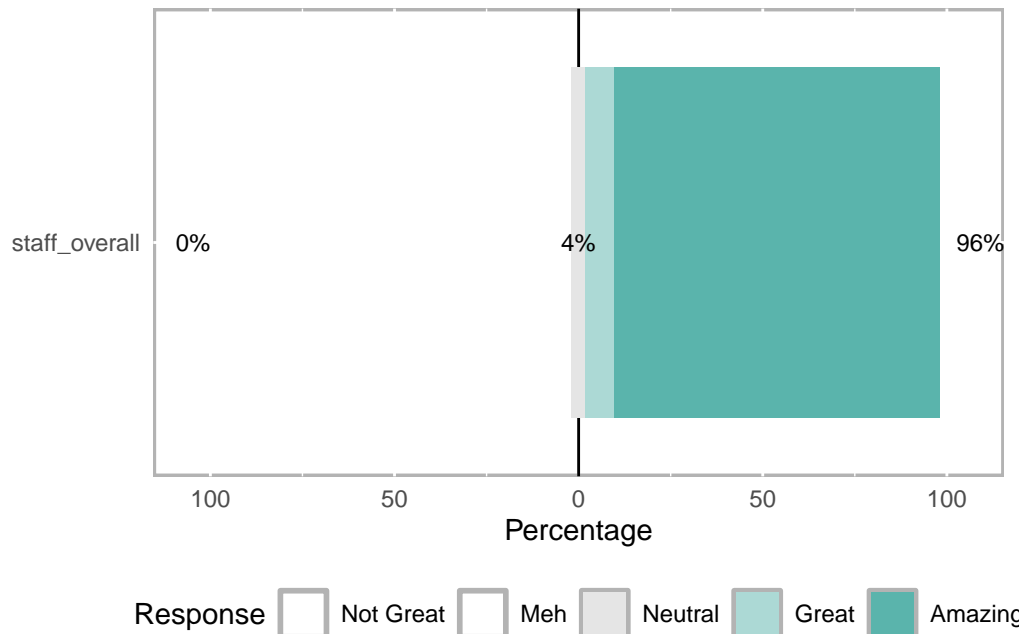
Staff Overall

```
likert_overall_staff <- likert(items = survey_df %>% dplyr::select(staff_overall))
```

```
likert_overall_staff$results
```

Item	Not Great	Meh	Neutral	Great	Amazing
staff_overall	0	0	3.846154	7.692308	88.46154

```
plot(likert_overall_staff)
```

| Response | Not Great | Meh | Neutral | Great | Amazing |

We can see that 96% of students thought that the staff was great or amazing. Furthermore, no students had a negative opinion of staff.

Camp Overall

```
likert_overall_camp <- likert(items = survey_df %>% dplyr::select(camp_overall))
```

```
likert_overall_camp$results
```

Item	Not Great	Meh	Neutral	Great	Amazing
camp_overall	0	0	0	10.25641	89.74359

```
plot(likert_overall_camp)
```
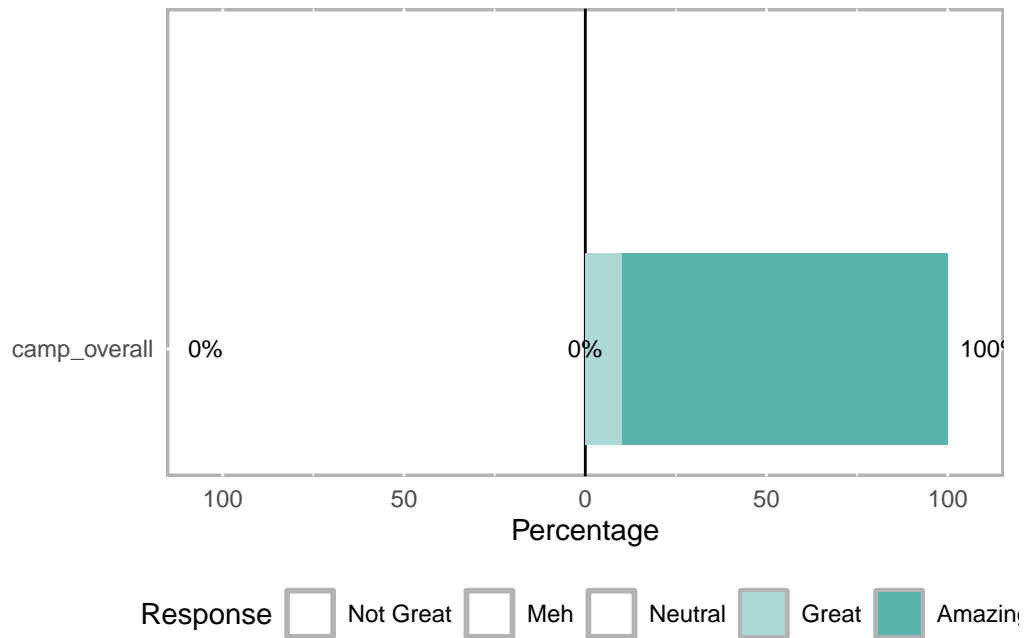
We can see that all of the students had a poitive experience of the camp.

Return 2025?

The question originally was the following:

- Do you want to return to AMINGA camp in 2024? Queres voltar para o campus Aminga em 2024?

```
return_next_year_df <- survey_df %>%
  dplyr::select(return_next_year) %>%
  count(return_next_year) %>%
  mutate(return_next_year = replace_na(return_next_year, "No Response"))

return_next_year_df
```

return_next_year	n
Maybe	6
Yes	71
No Response	6

```
ggplot(return_next_year_df, aes(x = return_next_year, y = n)) +
  geom_col()
```
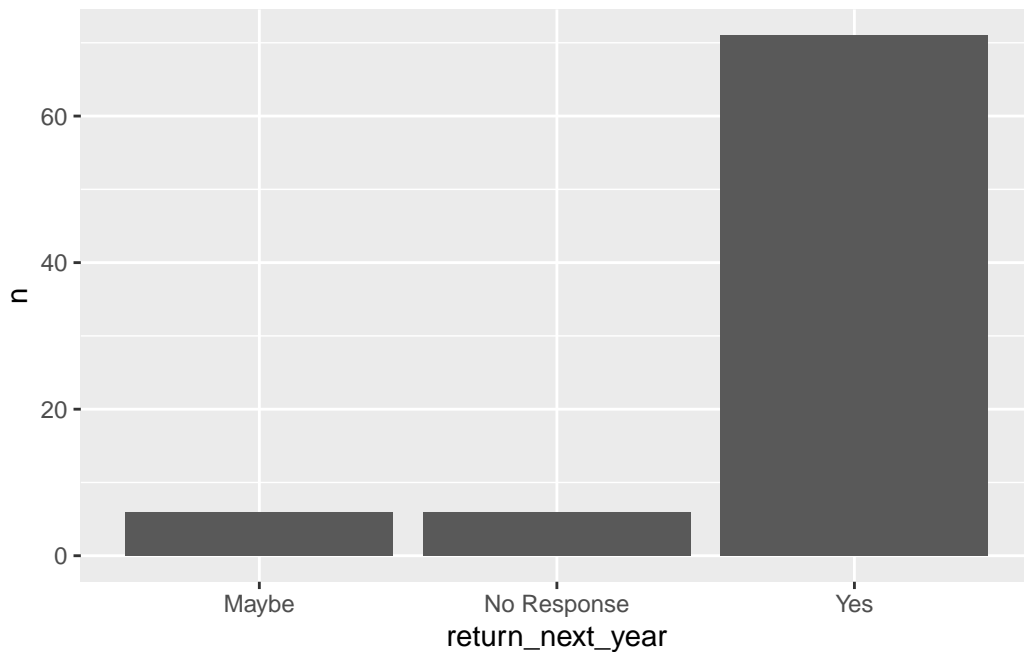

We can see that over 70 students want to return to the camp next year.

AMINGA 2025 Student Survey Analysis By Gender

Classes

```
temp_class_gender <- survey_df %>%
  dplyr::select(art, english, computer, human_rights, career_readiness, team_building,    yoga
  drop_na()

likert_subjects_gender <- likert(
  items = temp_class_gender %>% dplyr::select(art, english, computer, human_rights, career_re
  grouping = temp_class_gender %>% dplyr::pull(gender)
)
```

```
likert_subjects_gender$results
```

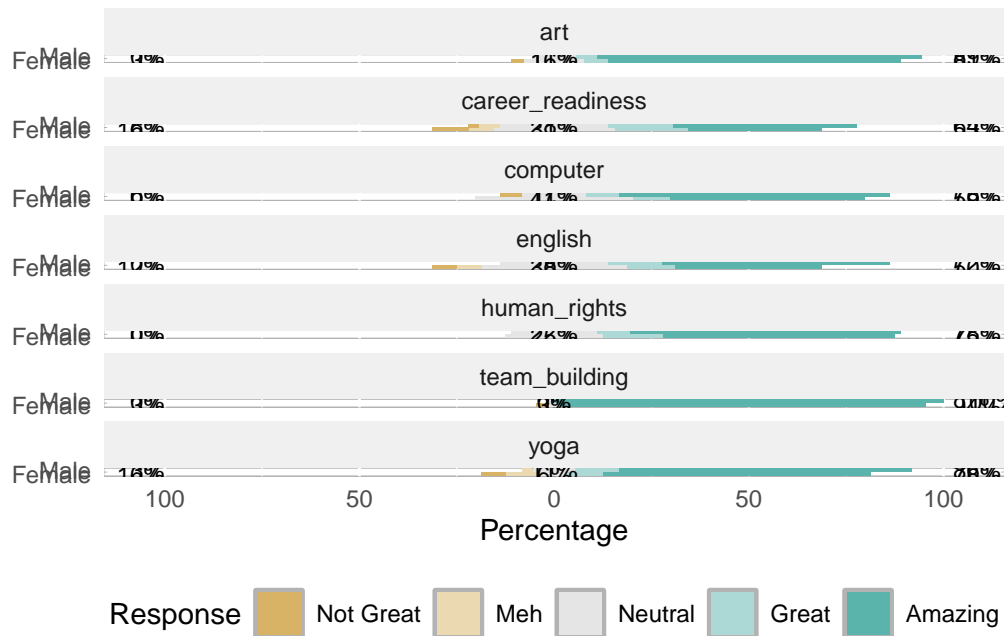| Group	Item	Not Great	Meh	Neutral	Great	Amazing
Female	art	3.125000	0.000000	15.62500	6.250000	75.00000
Female	english	6.250000	6.250000	37.50000	12.500000	37.50000
Female	computer	0.000000	0.000000	40.62500	9.375000	50.00000
Female	human_rights	0.000000	0.000000	25.00000	15.625000	59.37500
Female	career_readiness	9.375000	6.250000	31.25000	18.750000	34.37500
Female	team_building	3.125000	0.000000	3.12500	0.000000	93.75000
Female	yoga	6.250000	9.375000	6.25000	9.375000	68.75000
Male	art	0.000000	0.000000	11.11111	5.555556	83.33333
Male	english	0.000000	0.000000	27.77778	13.888889	58.33333
Male	computer	5.555556	0.000000	16.66667	8.333333	69.44444
Male	human_rights	0.000000	0.000000	22.22222	8.333333	69.44444
Male	career_readiness	2.777778	5.555556	27.77778	16.666667	47.22222
Male	team_building	0.000000	0.000000	0.00000	0.000000	100.00000
Male	yoga	0.000000	2.777778	11.11111	11.111111	75.00000

```
plot(likert_subjects_gender)
```

Food

```
temp_food_gender <- survey_df %>% dplyr::select(gender, food) %>% drop_na()

likert_food_gender <- likert(temp_food_gender %>% select(food), grouping = temp_food_gender
likert_food_gender$results
```

Group	Item	Not Great	Meh	Neutral	Great	Amazing
Female	food	0	0	8.823529	2.941177	88.23529
Male	food	0	0	4.761905	4.761905	90.47619

```
summary(likert_food_gender, center = 3, ordered = TRUE)
```

Group	Item	low	neutral	high	mean	sd
Female	food	0	8.823529	91.17647	4.794118	0.5918339
Male	food	0	4.761905	95.23810	4.857143	0.4722251

```
plot(likert_food_gender , centered=TRUE, center=3, include.center=TRUE)
```
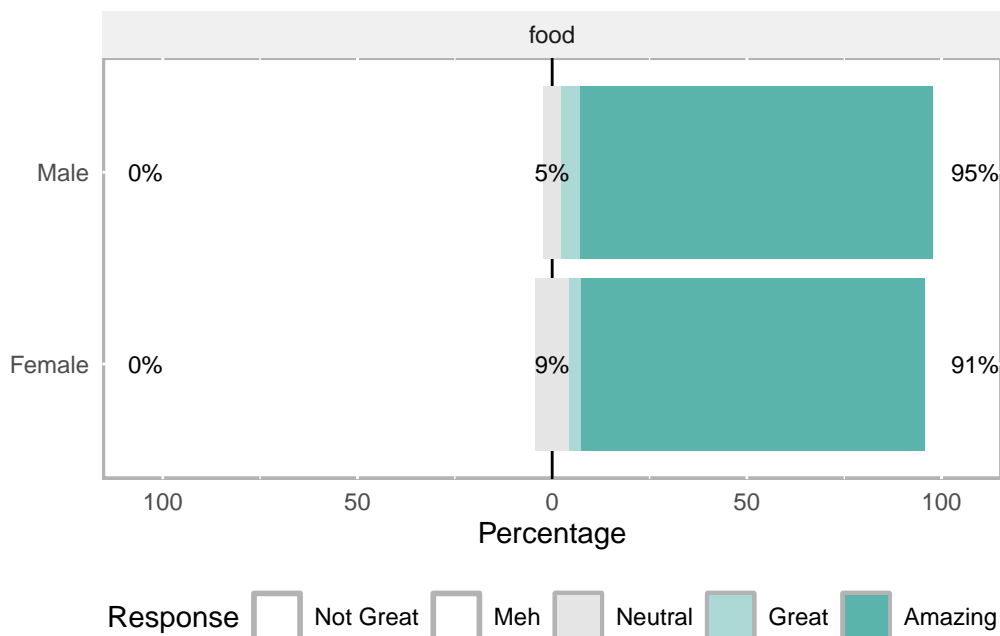
Camp

```
temp_camp_gender <- survey_df %>% dplyr::select(gender, staff_overall, camp_overall) %>% dro

likert_camp_gender <- likert(temp_camp_gender %>% select(staff_overall, camp_overall), group
likert_camp_gender$results
```

Group	Item	Not Great	Meh	Neutral	Great	Amazing
Female	staff_overall	0	0	2.857143	5.714286	91.42857
Female	camp_overall	0	0	0.000000	17.142857	82.85714
Male	staff_overall	0	0	4.761905	9.523810	85.71429
Male	camp_overall	0	0	0.000000	4.761905	95.23810

```
summary(likert_camp_gender, center = 3, ordered = TRUE)
```

Group	Item	low	neutral	high	mean	sd
Female	staff_overall	0	2.857143	97.14286	4.885714	0.4037638
Female	camp_overall	0	0.000000	100.00000	4.828571	0.3823853
Male	staff_overall	0	4.761905	95.23810	4.809524	0.5054867
Male	camp_overall	0	0.000000	100.00000	4.952381	0.2155403

```
plot(likert_camp_gender, centered=TRUE, center=3, include.center=TRUE)
```
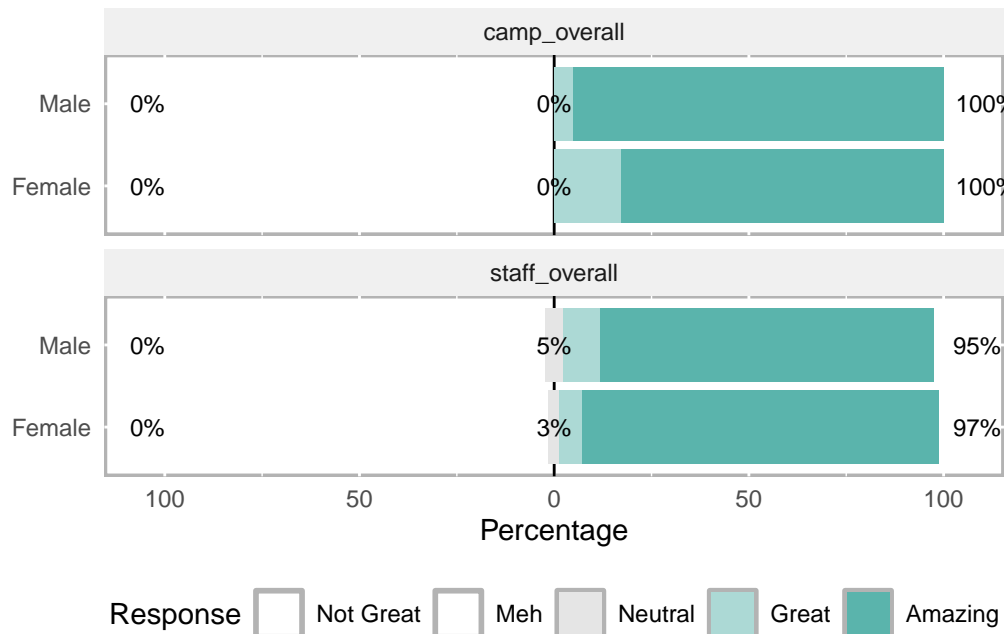
Sports Groups

Classes

```
temp_class_sport <- survey_df %>%
  dplyr::select(art, english, computer, human_rights, career_readiness, team_building,   yoga
  drop_na()

likert_subjects_sport <- likert(
  items = temp_class_gender %>% dplyr::select(art, english, computer, human_rights, career_re
  grouping = temp_class_sport %>% dplyr::pull(sport)
)

likert_subjects_sport$results
```

Group	Item	Not Great	Meh	Neutral	Great	Amazing
Basketball	art	0.000000	0	5.555556	16.66667	77.77778
Basketball	english	0.000000	0	33.333333	22.22222	44.44444
Basketball	computer	5.555556	0	16.666667	16.66667	61.11111

Group	Item	Not Great	Meh	Neutral	Great	Amazing
Basketball	human_rights	0.000000	0	22.222222	16.66667	61.11111
Basketball	career_readiness	0.000000	0	22.222222	22.22222	55.55556
Basketball	team_building	0.000000	0	0.000000	0.00000	100.00000
Basketball	yoga	0.000000	0	11.111111	11.11111	77.77778
Handball	art	0.000000	0	16.000000	0.00000	84.00000
Handball	english	0.000000	8	40.000000	8.00000	44.00000
Handball	computer	0.000000	0	40.000000	4.00000	56.00000
Handball	human_rights	0.000000	0	32.000000	8.00000	60.00000
Handball	career_readiness	8.000000	4	36.000000	16.00000	36.00000
Handball	team_building	4.000000	0	4.000000	0.00000	92.00000
Handball	yoga	4.000000	4	8.000000	4.00000	80.00000
Volleyball	art	4.000000	0	16.000000	4.00000	76.00000
Volleyball	english	8.000000	0	24.000000	12.00000	56.00000
Volleyball	computer	4.000000	0	24.000000	8.00000	64.00000
Volleyball	human_rights	0.000000	0	16.000000	12.00000	72.00000
Volleyball	career_readiness	8.000000	12	28.000000	16.00000	36.00000
Volleyball	team_building	0.000000	0	0.000000	0.00000	100.00000
Volleyball	yoga	4.000000	12	8.000000	16.00000	60.00000

```
summary(likert_subjects_sport,center = 3, ordered = TRUE)
```

Group	Item	low	neutral	high	mean	sd
Basketball	art	0.000000	5.555556	94.44444	4.722222	0.5745131
Basketball	english	0.000000	33.333333	66.66667	4.111111	0.9002541
Basketball	computer	5.555556	16.666667	77.77778	4.277778	1.1274936
Basketball	human_rights	0.000000	22.222222	77.77778	4.388889	0.8498366
Basketball	career_readiness	0.000000	22.222222	77.77778	4.333333	0.8401681
Basketball	team_building	0.000000	0.000000	100.00000	5.000000	0.0000000
Basketball	yoga	0.000000	11.111111	88.88889	4.666667	0.6859943
Handball	art	0.000000	16.000000	84.00000	4.680000	0.7483315
Handball	english	8.000000	40.000000	52.00000	3.880000	1.0923980
Handball	computer	0.000000	40.000000	60.00000	4.160000	0.9865766
Handball	human_rights	0.000000	32.000000	68.00000	4.280000	0.9363048
Handball	career_readiness	12.000000	36.000000	52.00000	3.680000	1.2489996
Handball	team_building	4.000000	4.000000	92.00000	4.760000	0.8793937
Handball	yoga	8.000000	8.000000	84.00000	4.520000	1.0847427
Volleyball	art	4.000000	16.000000	80.00000	4.480000	1.0456258
Volleyball	english	8.000000	24.000000	68.00000	4.080000	1.2556539
Volleyball	computer	4.000000	24.000000	72.00000	4.280000	1.1000000

Group	Item	low	neutral	high	mean	sd
Volleyball	human_rights	0.000000	16.000000	84.00000	4.560000	0.7681146
Volleyball	career_readiness	20.000000	28.000000	52.00000	3.600000	1.3228757
Volleyball	team_building	0.000000	0.000000	100.00000	5.000000	0.0000000
Volleyball	yoga	16.000000	8.000000	76.00000	4.160000	1.2476645

```
plot(likert_subjects_sport, centered=TRUE, center=3, include.center=TRUE)
```
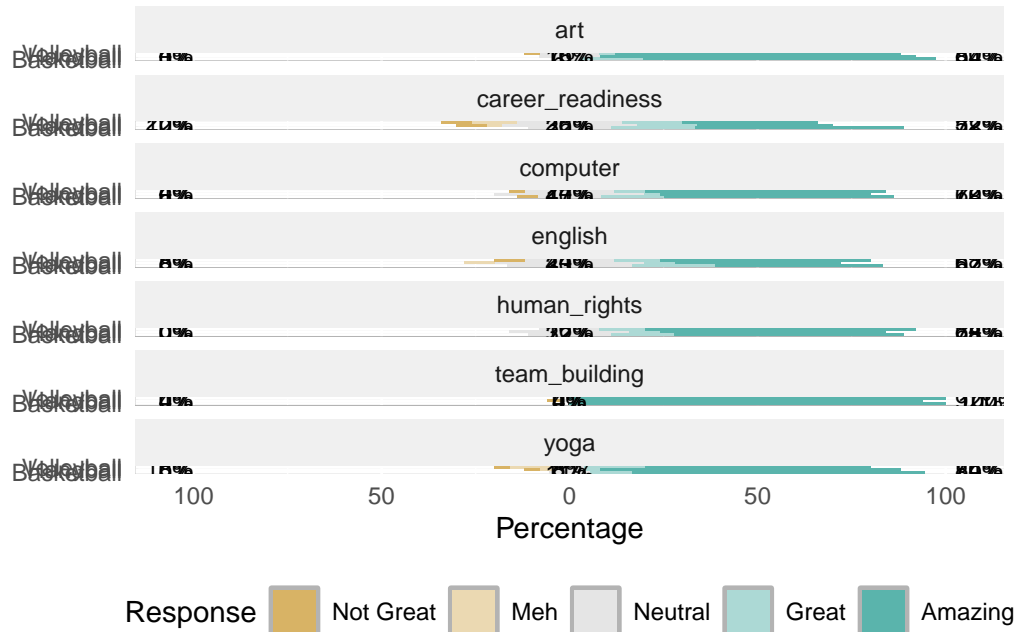

Food

```
temp_food_sport <- survey_df %>% dplyr::select(sport, food) %>% drop_na()

likert_food_sport <- likert(temp_food_sport %>% select(food), grouping = temp_food_sport %>%
likert_food_sport$results
```
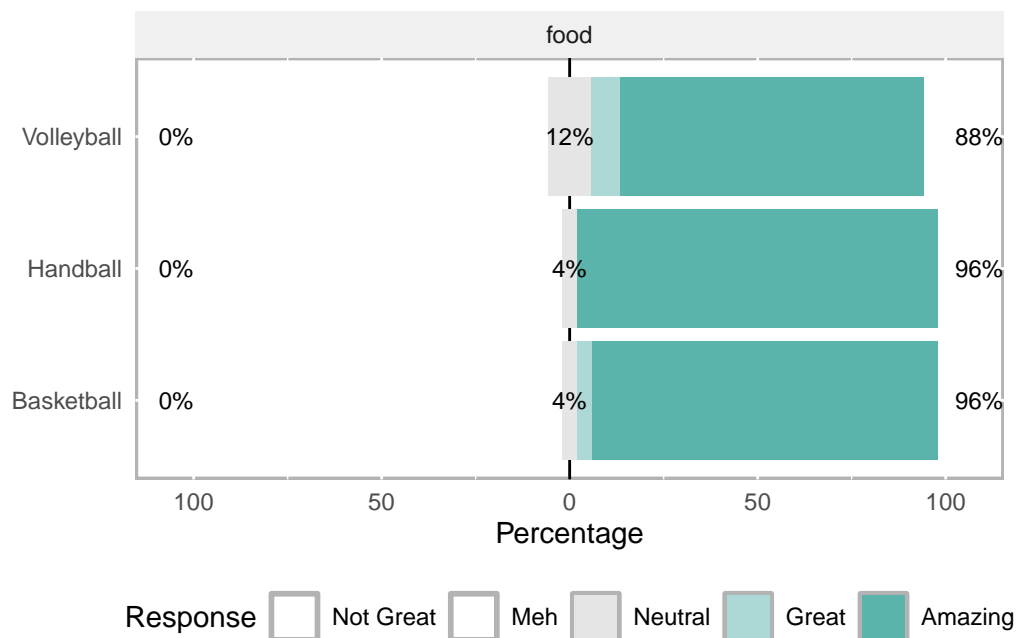
Group	Item	Not Great	Meh	Neutral	Great	Amazing
Basketball	food	0	0	4.00000	4.000000	92.00000
Handball	food	0	0	4.00000	0.000000	96.00000

Group	Item	Not Great	Meh	Neutral	Great	Amazing
Volleyball	food	0	0	11.53846	7.692308	80.76923

```
summary(likert_food_sport, center = 3, ordered = TRUE)
```

Group	Item	low	neutral	high	mean	sd
Basketball	food	0	4.00000	96.00000	4.880000	0.4396969
Handball	food	0	4.00000	96.00000	4.920000	0.4000000
Volleyball	food	0	11.53846	88.46154	4.692308	0.6793662

```
plot(likert_food_sport , centered=TRUE, center=3, include.center=TRUE)
```


Camp

```
temp_overall_sport <- survey_df %>% dplyr::select(sport, staff_overall, camp_overall) %>% dro

likert_camp_sport <- likert(temp_overall_sport %>% select(staff_overall, camp_overall), group
likert_camp_sport$results
```

Group	Item	Not Great	Meh	Neutral	Great	Amazing
Basketball	staff_overall	0	0	4.000000	12.000000	84.00000
Basketball	camp_overall	0	0	0.000000	0.000000	100.00000
Handball	staff_overall	0	0	4.000000	8.000000	88.00000
Handball	camp_overall	0	0	0.000000	12.000000	88.00000
Volleyball	staff_overall	0	0	3.703704	3.703704	92.59259
Volleyball	camp_overall	0	0	0.000000	18.518518	81.48148

```r
summary(likert_camp_sport, center = 3, ordered = TRUE)
```

Group	Item	low	neutral	high	mean	sd
Basketball	staff_overall	0	4.000000	96.0000	4.800000	0.5000000
Basketball	camp_overall	0	0.000000	100.0000	5.000000	0.0000000
Handball	staff_overall	0	4.000000	96.0000	4.840000	0.4725816
Handball	camp_overall	0	0.000000	100.0000	4.880000	0.3316625
Volleyball	staff_overall	0	3.703704	96.2963	4.888889	0.4236593
Volleyball	camp_overall	0	0.000000	100.0000	4.814815	0.3958474

```r
plot(likert_camp_sport, centered=TRUE, center=3, include.center=TRUE)
```
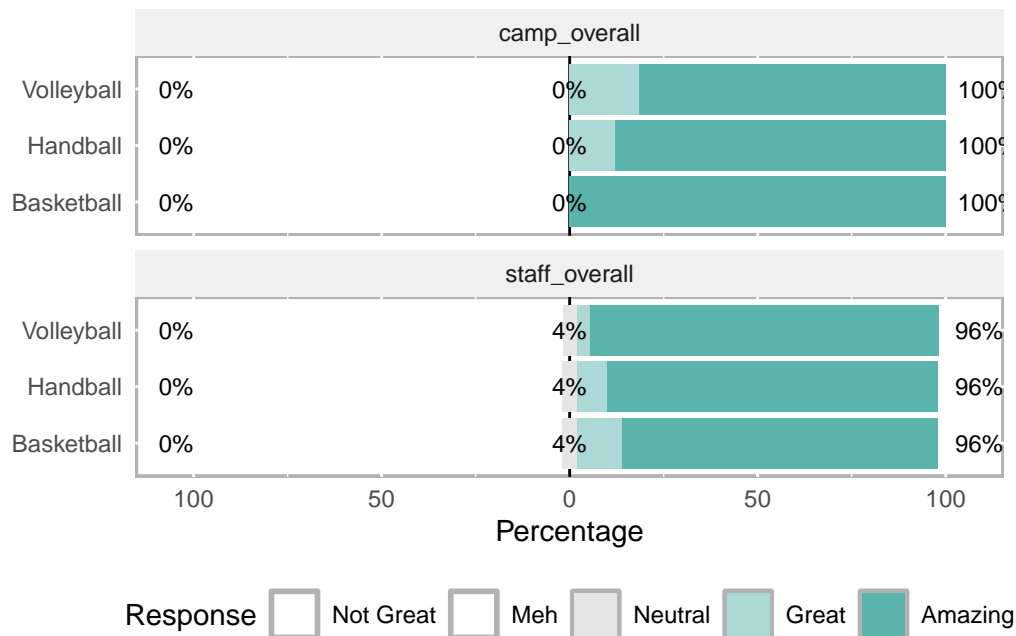
Sports By Gender

Classes

```
temp_class_sport_gender<- survey_df %>% drop_na(gender, sport) %>% unite("sport group", c(ge

likert_subjects_sport_gender <- likert(
  items = temp_class_sport_gender %>% dplyr::select(english, art, computer, team_building, yo
  grouping = temp_class_sport_gender %>% dplyr::pull(`sport group`)
)

likert_subjects_sport_gender$results
```

Group	Item	Not Great	Meh	Neutral	Great	Amazing
Female Basketball	english	0.000000	0.000000	33.333333	50.000000	16.66667
Female Basketball	art	0.000000	0.000000	0.000000	33.333333	66.66667
Female Basketball	computer	0.000000	0.000000	33.333333	0.000000	66.66667
Female Basketball	team_building	0.000000	0.000000	0.000000	0.000000	100.00000
Female Basketball	yoga	0.000000	0.000000	0.000000	16.666667	83.33333
Female Handball	english	0.000000	15.384615	46.153846	0.000000	38.46154
Female Handball	art	0.000000	0.000000	23.076923	0.000000	76.92308
Female Handball	computer	0.000000	0.000000	53.846154	7.692308	38.46154
Female Handball	team_building	7.692308	0.000000	7.692308	0.000000	84.61538
Female Handball	yoga	7.692308	7.692308	7.692308	7.692308	69.23077
Female Volleyball	english	15.384615	0.000000	30.769231	7.692308	46.15385
Female Volleyball	art	7.692308	0.000000	15.384615	0.000000	76.92308
Female Volleyball	computer	0.000000	0.000000	30.769231	15.384615	53.84615
Female Volleyball	team_building	0.000000	0.000000	0.000000	0.000000	100.00000
Female Volleyball	yoga	7.692308	15.384615	7.692308	7.692308	61.53846

Group	Item	Not Great	Meh	Neutral	Great	Amazing
Male Basketball	english	0.000000	0.000000	33.333333	8.333333	58.33333
Male Basketball	art	0.000000	0.000000	8.333333	8.333333	83.33333
Male Basketball	computer	8.333333	0.000000	8.333333	25.000000	58.33333
Male Basketball	team_building	0.000000	0.000000	0.000000	0.000000	100.00000
Male Basketball	yoga	0.000000	0.000000	16.666667	8.333333	75.00000
Male Handball	english	0.000000	0.000000	33.333333	16.666667	50.00000
Male Handball	art	0.000000	0.000000	8.333333	0.000000	91.66667
Male Handball	computer	0.000000	0.000000	25.000000	0.000000	75.00000
Male Handball	team_building	0.000000	0.000000	0.000000	0.000000	100.00000
Male Handball	yoga	0.000000	0.000000	8.333333	0.000000	91.66667
Male Volleyball	english	0.000000	0.000000	16.666667	16.666667	66.66667
Male Volleyball	art	0.000000	0.000000	16.666667	8.333333	75.00000
Male Volleyball	computer	8.333333	0.000000	16.666667	0.000000	75.00000
Male Volleyball	team_building	0.000000	0.000000	0.000000	0.000000	100.00000
Male Volleyball	yoga	0.000000	8.333333	8.333333	25.000000	58.33333

```
summary(likert_subjects_sport_gender,center = 3, ordered = TRUE)
```

Group	Item	low	neutral	high	mean	sd
Female Basketball	english	0.000000	33.333333	66.66667	3.833333	0.7527727
Female Basketball	art	0.000000	0.000000	100.00000	4.666667	0.5163978
Female Basketball	computer	0.000000	33.333333	66.66667	4.333333	1.0327956
Female Basketball	team_building	0.000000	0.000000	100.00000	5.000000	0.0000000
Female Basketball	yoga	0.000000	0.000000	100.00000	4.833333	0.4082483
Female Handball	english	15.384615	46.153846	38.46154	3.615385	1.1929279
Female Handball	art	0.000000	23.076923	76.92308	4.538462	0.8770580
Female Handball	computer	0.000000	53.846154	46.15385	3.846154	0.9870962
Female Handball	team_building	7.692308	7.692308	84.61538	4.538462	1.1982894
Female Handball	yoga	15.384615	7.692308	76.92308	4.230769	1.3634421
Female Volleyball	english	15.384615	30.769231	53.84615	3.692308	1.4935760
Female Volleyball	art	7.692308	15.384615	76.92308	4.384615	1.2608503

Group	Item	low	neutral	high	mean	sd
Female Volleyball	computer	0.000000	30.769231	69.23077	4.230769	0.9268087
Female Volleyball	team_building	0.000000	0.000000	100.00000	5.000000	0.0000000
Female Volleyball	yoga	23.076923	7.692308	69.23077	4.000000	1.4719601
Male Basketball	english	0.000000	33.333333	66.66667	4.250000	0.9653073
Male Basketball	art	0.000000	8.333333	91.66667	4.750000	0.6215816
Male Basketball	computer	8.333333	8.333333	83.33333	4.250000	1.2154311
Male Basketball	team_building	0.000000	0.000000	100.00000	5.000000	0.0000000
Male Basketball	yoga	0.000000	16.666667	83.33333	4.583333	0.7929615
Male Handball	english	0.000000	33.333333	66.66667	4.166667	0.9374369
Male Handball	art	0.000000	8.333333	91.66667	4.833333	0.5773503
Male Handball	computer	0.000000	25.000000	75.00000	4.500000	0.9045340
Male Handball	team_building	0.000000	0.000000	100.00000	5.000000	0.0000000
Male Handball	yoga	0.000000	8.333333	91.66667	4.833333	0.5773503
Male Volleyball	english	0.000000	16.666667	83.33333	4.500000	0.7977240
Male Volleyball	art	0.000000	16.666667	83.33333	4.583333	0.7929615
Male Volleyball	computer	8.333333	16.666667	75.00000	4.333333	1.3026779
Male Volleyball	team_building	0.000000	0.000000	100.00000	5.000000	0.0000000
Male Volleyball	yoga	8.333333	8.333333	83.33333	4.333333	0.9847319

```
plot(likert_subjects_sport_gender, centered=TRUE, center=3, include.center=TRUE)
```
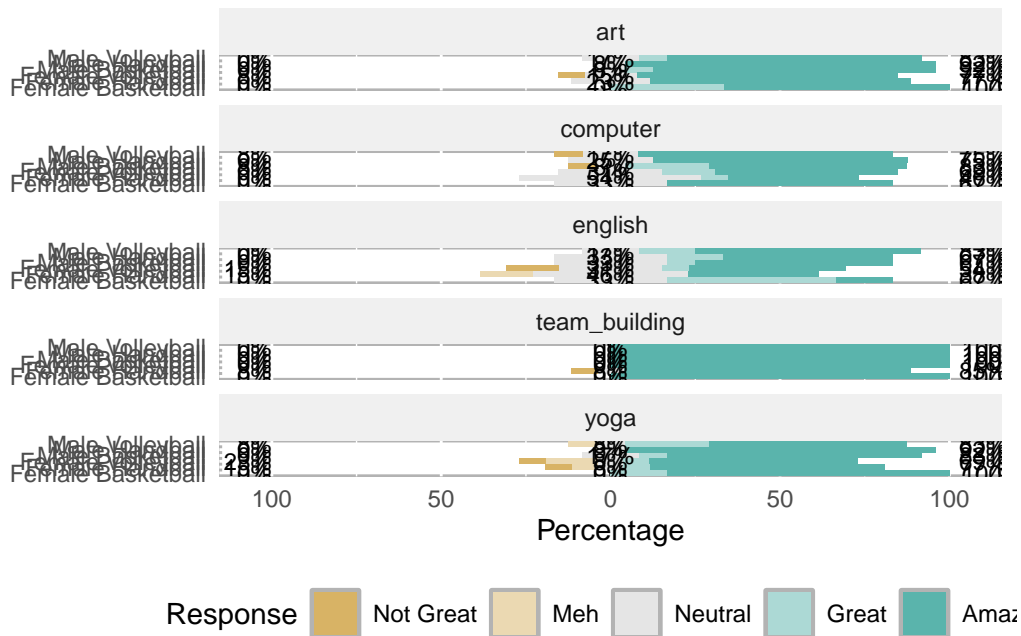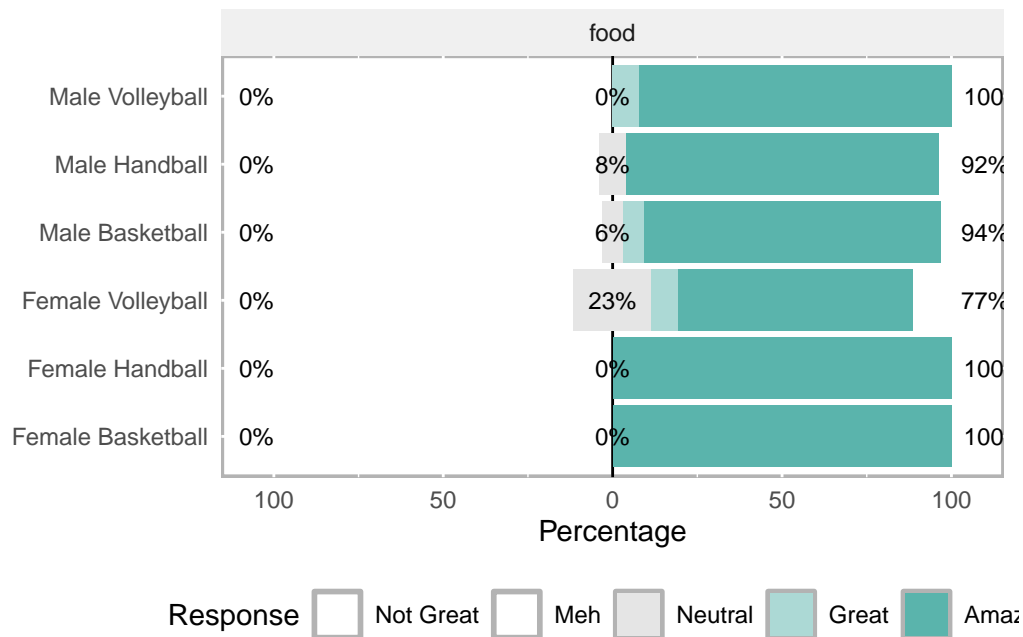
Food

```
temp_food_sport_gender <- survey_df  %>% drop_na(gender, sport) %>% unite("sport group", c(ge
```

```
likert_food_sport_gender <- likert(temp_food_sport_gender %>% select(food), grouping = temp_
likert_food_sport_gender$results
```

Group	Item	Not Great	Meh	Neutral	Great	Amazing
Female Basketball	food	0	0	0.000000	0.000000	100.00000
Female Handball	food	0	0	0.000000	0.000000	100.00000
Female Volleyball	food	0	0	23.076923	7.692308	69.23077
Male Basketball	food	0	0	6.250000	6.250000	87.50000
Male Handball	food	0	0	7.692308	0.000000	92.30769
Male Volleyball	food	0	0	0.000000	7.692308	92.30769

```
summary(likert_food_sport_gender, center = 3, ordered = TRUE)
```

Group	Item	low	neutral	high	mean	sd
Female Basketball	food	0	0.000000	100.00000	5.000000	0.0000000
Female Handball	food	0	0.000000	100.00000	5.000000	0.0000000
Female Volleyball	food	0	23.076923	76.92308	4.461538	0.8770580
Male Basketball	food	0	6.250000	93.75000	4.812500	0.5439056
Male Handball	food	0	7.692308	92.30769	4.846154	0.5547002
Male Volleyball	food	0	0.000000	100.00000	4.923077	0.2773501

```
plot(likert_food_sport_gender , centered=TRUE, center=3, include.center=TRUE)
```


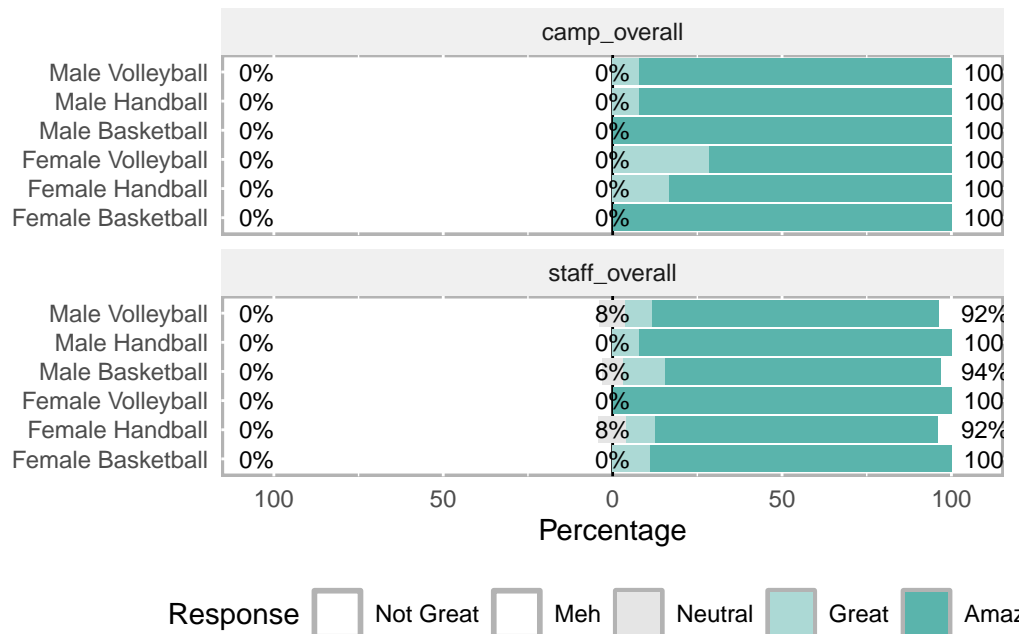## Camp

```
temp_overall_sport_gender <- survey_df %>% drop_na(gender, sport) %>% unite("sport group", c

likert_camp_sport_gender <- likert(temp_overall_sport_gender %>% select(staff_overall, camp_
likert_camp_sport_gender$results
```

Group	Item	Not Great	Meh	Neutral	Great	Amazing
Female Basketball	staff_overall	0	0	0.000000	11.111111	88.88889
Female Basketball	camp_overall	0	0	0.000000	0.000000	100.00000
Female Handball	staff_overall	0	0	8.333333	8.333333	83.33333
Female Handball	camp_overall	0	0	0.000000	16.666667	83.33333
Female Volleyball	staff_overall	0	0	0.000000	0.000000	100.00000
Female Volleyball	camp_overall	0	0	0.000000	28.571429	71.42857
Male Basketball	staff_overall	0	0	6.250000	12.500000	81.25000
Male Basketball	camp_overall	0	0	0.000000	0.000000	100.00000
Male Handball	staff_overall	0	0	0.000000	7.692308	92.30769
Male Handball	camp_overall	0	0	0.000000	7.692308	92.30769
Male Volleyball	staff_overall	0	0	7.692308	7.692308	84.61538
Male Volleyball	camp_overall	0	0	0.000000	7.692308	92.30769

```r
summary(likert_camp_sport_gender, center = 3, ordered = TRUE)
```

Group	Item	low	neutral	high	mean	sd
Female Basketball	staff_overall	0	0.000000	100.00000	4.888889	0.3333333
Female Basketball	camp_overall	0	0.000000	100.00000	5.000000	0.0000000
Female Handball	staff_overall	0	8.333333	91.66667	4.750000	0.6215816
Female Handball	camp_overall	0	0.000000	100.00000	4.833333	0.3892495
Female Volleyball	staff_overall	0	0.000000	100.00000	5.000000	0.0000000
Female Volleyball	camp_overall	0	0.000000	100.00000	4.714286	0.4688072
Male Basketball	staff_overall	0	6.250000	93.75000	4.750000	0.5773503
Male Basketball	camp_overall	0	0.000000	100.00000	5.000000	0.0000000
Male Handball	staff_overall	0	0.000000	100.00000	4.923077	0.2773501
Male Handball	camp_overall	0	0.000000	100.00000	4.923077	0.2773501
Male Volleyball	staff_overall	0	7.692308	92.30769	4.769231	0.5991447
Male Volleyball	camp_overall	0	0.000000	100.00000	4.923077	0.2773501

```r
plot(likert_camp_sport_gender, centered=TRUE, center=3, include.center=TRUE)
```

camp_overall

Male Volleyball	0%	0%	100
Male Handball	0%	0%	100
Male Basketball	0%	0%	100
Female Volleyball	0%	0%	100
Female Handball	0%	0%	100
Female Basketball	0%	0%	100

staff_overall

Male Volleyball	0%	8%	92%
Male Handball	0%	0%	100
Male Basketball	0%	6%	94%
Female Volleyball	0%	0%	100
Female Handball	0%	8%	92%
Female Basketball	0%	0%	100

100   50   0   50   100

Percentage

Response ☐ Not Great ☐ Meh ☐ Neutral ☐ Great ☐ Amaz

Comments

I loved about the sport

```
sport_love_count <- prep_word_cloud(i_loved_about_the_sport_eu_amei_sobre_a_modalidade)
## Joining, by = "word"

wordcloud(words = sport_love_count$word,
          freq = sport_love_count$n,
          min.freq = 2,
          random.order=FALSE,
          rot.per=0.3,
          colors=brewer.pal(8, "Dark2"))
```

Warning in wordcloud(words = sport_love_count$word, freq = sport_love_count$n,
: participar could not be fit on page. It will not be plotted.

Warning in wordcloud(words = sport_love_count$word, freq = sport_love_count$n,
: dinâmicos could not be fit on page. It will not be plotted.

```
Warning in wordcloud(words = sport_love_count$word, freq = sport_love_count$n,
: ensinaram could not be fit on page. It will not be plotted.

Warning in wordcloud(words = sport_love_count$word, freq = sport_love_count$n,
: equipe could not be fit on page. It will not be plotted.

Warning in wordcloud(words = sport_love_count$word, freq = sport_love_count$n,
: espirito could not be fit on page. It will not be plotted.

Warning in wordcloud(words = sport_love_count$word, freq = sport_love_count$n,
: excelente could not be fit on page. It will not be plotted.

Warning in wordcloud(words = sport_love_count$word, freq = sport_love_count$n,
: fisico could not be fit on page. It will not be plotted.

Warning in wordcloud(words = sport_love_count$word, freq = sport_love_count$n,
: jogava could not be fit on page. It will not be plotted.

Warning in wordcloud(words = sport_love_count$word, freq = sport_love_count$n,
: muitas could not be fit on page. It will not be plotted.

Warning in wordcloud(words = sport_love_count$word, freq = sport_love_count$n,
: oportunidade could not be fit on page. It will not be plotted.

Warning in wordcloud(words = sport_love_count$word, freq = sport_love_count$n,
: parte could not be fit on page. It will not be plotted.

Warning in wordcloud(words = sport_love_count$word, freq = sport_love_count$n,
: pois could not be fit on page. It will not be plotted.

Warning in wordcloud(words = sport_love_count$word, freq = sport_love_count$n,
: professora could not be fit on page. It will not be plotted.

Warning in wordcloud(words = sport_love_count$word, freq = sport_love_count$n,
: professores could not be fit on page. It will not be plotted.

Warning in wordcloud(words = sport_love_count$word, freq = sport_love_count$n,
: práticas could not be fit on page. It will not be plotted.
```

```
Warning in wordcloud(words = sport_love_count$word, freq = sport_love_count$n,
: quero could not be fit on page. It will not be plotted.

Warning in wordcloud(words = sport_love_count$word, freq = sport_love_count$n,
: respeito could not be fit on page. It will not be plotted.

Warning in wordcloud(words = sport_love_count$word, freq = sport_love_count$n,
: sinto could not be fit on page. It will not be plotted.

Warning in wordcloud(words = sport_love_count$word, freq = sport_love_count$n,
: staff could not be fit on page. It will not be plotted.

Warning in wordcloud(words = sport_love_count$word, freq = sport_love_count$n,
: toda could not be fit on page. It will not be plotted.

Warning in wordcloud(words = sport_love_count$word, freq = sport_love_count$n,
: todos could not be fit on page. It will not be plotted.

Warning in wordcloud(words = sport_love_count$word, freq = sport_love_count$n,
: trabalhar could not be fit on page. It will not be plotted.

Warning in wordcloud(words = sport_love_count$word, freq = sport_love_count$n,
: treinadora could not be fit on page. It will not be plotted.

Warning in wordcloud(words = sport_love_count$word, freq = sport_love_count$n,
: técnicas could not be fit on page. It will not be plotted.

Warning in wordcloud(words = sport_love_count$word, freq = sport_love_count$n,
: voley could not be fit on page. It will not be plotted.
```

I would change about the sport

```
sport_change_count <- prep_word_cloud(i_would_change_about_the_sport_eu_mudaria_sobre_a_modal
## Joining, by = "word"

wordcloud(words = sport_change_count$word,
          freq = sport_change_count$n,
          min.freq = 1,
          random.order=FALSE,
          rot.per=0.3,
          colors=brewer.pal(8, "Dark2"))
```

Warning in wordcloud(words = sport_change_count$word, freq =
sport_change_count$n, : simplesmente could not be fit on page. It will not be
plotted.

Warning in wordcloud(words = sport_change_count$word, freq =
sport_change_count$n, : treinadores could not be fit on page. It will not be
plotted.

```
Warning in wordcloud(words = sport_change_count$word, freq =
sport_change_count$n, : árbitros could not be fit on page. It will not be
plotted.
```
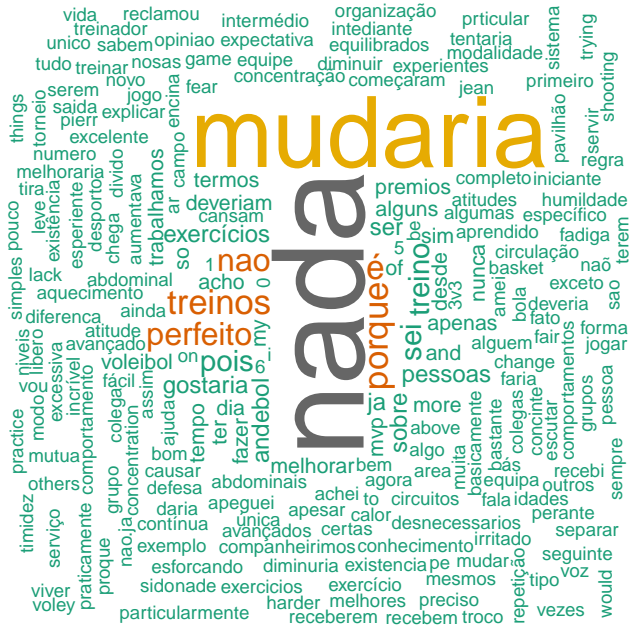

Arts Comments

```
arts_comments <- prep_word_cloud(comments_regarding_art_class_comentarios_sobre_as_aulas_de_a
## Joining, by = "word"

wordcloud(words = arts_comments$word,
          freq = arts_comments$n,
          min.freq = 2,
          random.order=FALSE,
          rot.per=0.3,
          colors=brewer.pal(8, "Dark2"))
```
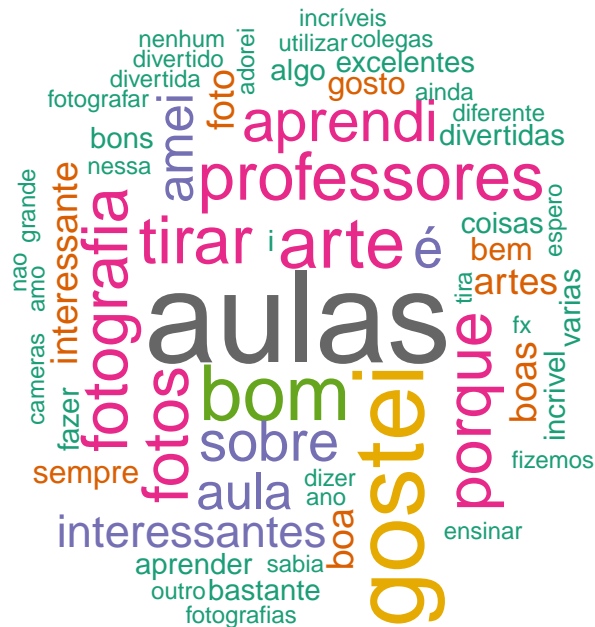
English Comments

```
english_comments <- prep_word_cloud(comments_regarding_english_class_comentarios_sobre_a_aula
## Joining, by = "word"

wordcloud(words = english_comments$word,
          freq = english_comments$n,
          min.freq = 2,
          random.order=FALSE,
          rot.per=0.3,
          colors=brewer.pal(8, "Dark2"))
```

Computer Comments

```
computer_comments <- prep_word_cloud(comments_regarding_computer_class_comentarios_sobre_as_a
## Joining, by = "word"

wordcloud(words = computer_comments$word,
          freq = computer_comments$n,
          min.freq = 2,
          random.order=FALSE,
          rot.per=0.3,
          colors=brewer.pal(8, "Dark2"))
```

```
Warning in wordcloud(words = computer_comments$word, freq =
computer_comments$n, : professores could not be fit on page. It will not be
plotted.
```

```
Warning in wordcloud(words = computer_comments$word, freq =
computer_comments$n, : computadores could not be fit on page. It will not be
plotted.
```

```
Warning in wordcloud(words = computer_comments$word, freq =
computer_comments$n, : informatica could not be fit on page. It will not be
plotted.

Warning in wordcloud(words = computer_comments$word, freq =
computer_comments$n, : experiencia could not be fit on page. It will not be
plotted.

Warning in wordcloud(words = computer_comments$word, freq =
computer_comments$n, : professore could not be fit on page. It will not be
plotted.

Warning in wordcloud(words = computer_comments$word, freq =
computer_comments$n, : tanto could not be fit on page. It will not be plotted.
```


Human Rights

```
rights_comments <- prep_word_cloud(comments_regarding_human_rights_comentarios_sobre_direitos
## Joining, by = "word"

wordcloud(words = rights_comments$word,
          freq = rights_comments$n,
          min.freq = 2,
          random.order=FALSE,
          rot.per=0.3,
          colors=brewer.pal(8, "Dark2"))
```

Warning in wordcloud(words = rights_comments$word, freq = rights_comments$n, :
capoeira could not be fit on page. It will not be plotted.

Warning in wordcloud(words = rights_comments$word, freq = rights_comments$n, :
professores could not be fit on page. It will not be plotted.

Warning in wordcloud(words = rights_comments$word, freq = rights_comments$n, :
capueira could not be fit on page. It will not be plotted.
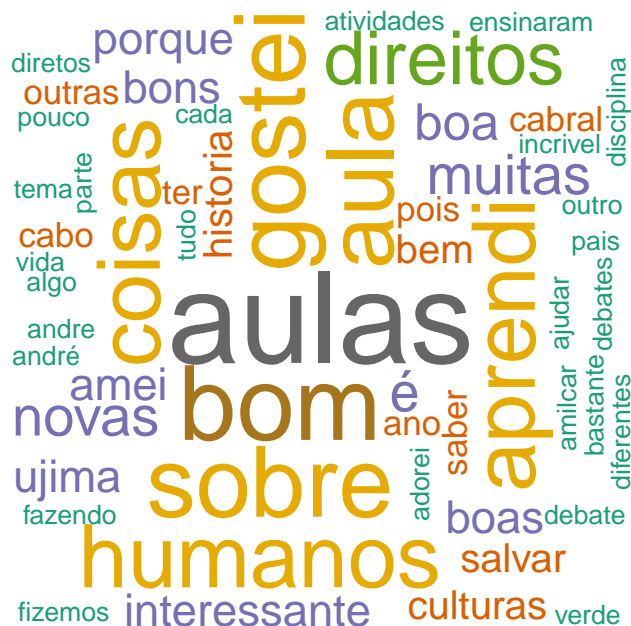
Warning in wordcloud(words = rights_comments$word, freq = rights_comments$n, :
falamos could not be fit on page. It will not be plotted.

Warning in wordcloud(words = rights_comments$word, freq = rights_comments$n, :
gosto could not be fit on page. It will not be plotted.

Warning in wordcloud(words = rights_comments$word, freq = rights_comments$n, :
outros could not be fit on page. It will not be plotted.

Warning in wordcloud(words = rights_comments$word, freq = rights_comments$n, :
pessoa could not be fit on page. It will not be plotted.

Warning in wordcloud(words = rights_comments$word, freq = rights_comments$n, :
pessoas could not be fit on page. It will not be plotted.

Warning in wordcloud(words = rights_comments$word, freq = rights_comments$n, :
sabia could not be fit on page. It will not be plotted.

Warning in wordcloud(words = rights_comments$word, freq = rights_comments$n, :
aprender could not be fit on page. It will not be plotted.

```
Warning in wordcloud(words = rights_comments$word, freq = rights_comments$n, :
conhecimento could not be fit on page. It will not be plotted.

Warning in wordcloud(words = rights_comments$word, freq = rights_comments$n, :
interessantes could not be fit on page. It will not be plotted.

Warning in wordcloud(words = rights_comments$word, freq = rights_comments$n, :
invisivel could not be fit on page. It will not be plotted.

Warning in wordcloud(words = rights_comments$word, freq = rights_comments$n, :
melhores could not be fit on page. It will not be plotted.

Warning in wordcloud(words = rights_comments$word, freq = rights_comments$n, :
mundo could not be fit on page. It will not be plotted.

Warning in wordcloud(words = rights_comments$word, freq = rights_comments$n, :
professor could not be fit on page. It will not be plotted.

Warning in wordcloud(words = rights_comments$word, freq = rights_comments$n, :
sempre could not be fit on page. It will not be plotted.
```

Team Building

```
team_building_comments <- prep_word_cloud(comments_regarding_team_building_comentarios_sobre
## Joining, by = "word"

wordcloud(words = team_building_comments$word,
          freq = team_building_comments$n,
          min.freq = 2,
          random.order=FALSE,
          rot.per=0.3,
          colors=brewer.pal(8, "Dark2"))
```

Warning in wordcloud(words = team_building_comments$word, freq =
team_building_comments$n, : melhores could not be fit on page. It will not be
plotted.

Warning in wordcloud(words = team_building_comments$word, freq =
team_building_comments$n, : novos could not be fit on page. It will not be
plotted.

Warning in wordcloud(words = team_building_comments$word, freq =
team_building_comments$n, : todos could not be fit on page. It will not be
plotted.

Warning in wordcloud(words = team_building_comments$word, freq =
team_building_comments$n, : ajudam could not be fit on page. It will not be
plotted.

Warning in wordcloud(words = team_building_comments$word, freq =
team_building_comments$n, : ajudar could not be fit on page. It will not be
plotted.

Warning in wordcloud(words = team_building_comments$word, freq =
team_building_comments$n, : brincadeiras could not be fit on page. It will not
be plotted.

Warning in wordcloud(words = team_building_comments$word, freq =
team_building_comments$n, : colega could not be fit on page. It will not be
plotted.

```
Warning in wordcloud(words = team_building_comments$word, freq =
team_building_comments$n, : consegui could not be fit on page. It will not be
plotted.

Warning in wordcloud(words = team_building_comments$word, freq =
team_building_comments$n, : emocionante could not be fit on page. It will not
be plotted.

Warning in wordcloud(words = team_building_comments$word, freq =
team_building_comments$n, : engraçadas could not be fit on page. It will not be
plotted.

Warning in wordcloud(words = team_building_comments$word, freq =
team_building_comments$n, : espero could not be fit on page. It will not be
plotted.

Warning in wordcloud(words = team_building_comments$word, freq =
team_building_comments$n, : fazemos could not be fit on page. It will not be
plotted.

Warning in wordcloud(words = team_building_comments$word, freq =
team_building_comments$n, : fazer could not be fit on page. It will not be
plotted.

Warning in wordcloud(words = team_building_comments$word, freq =
team_building_comments$n, : interessantes could not be fit on page. It will not
be plotted.

Warning in wordcloud(words = team_building_comments$word, freq =
team_building_comments$n, : momentos could not be fit on page. It will not be
plotted.

Warning in wordcloud(words = team_building_comments$word, freq =
team_building_comments$n, : nessas could not be fit on page. It will not be
plotted.

Warning in wordcloud(words = team_building_comments$word, freq =
team_building_comments$n, : pessoa could not be fit on page. It will not be
plotted.
```
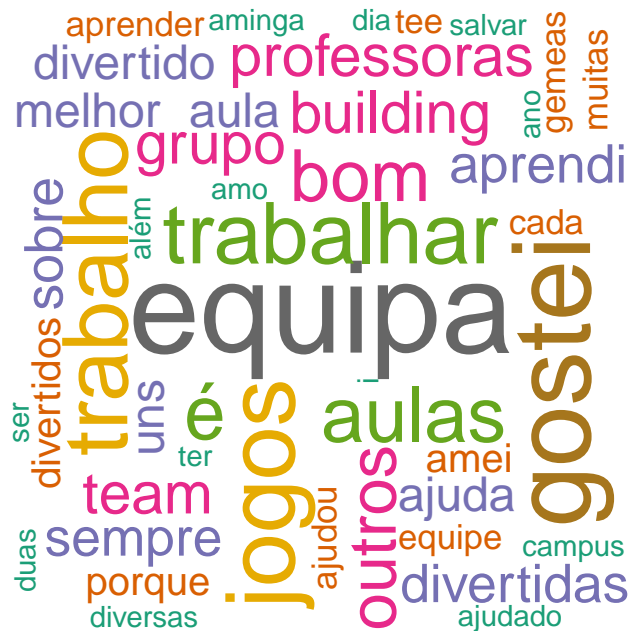
```
Warning in wordcloud(words = team_building_comments$word, freq =
team_building_comments$n, : pessoas could not be fit on page. It will not be
plotted.

Warning in wordcloud(words = team_building_comments$word, freq =
team_building_comments$n, : pois could not be fit on page. It will not be
plotted.

Warning in wordcloud(words = team_building_comments$word, freq =
team_building_comments$n, : tambem could not be fit on page. It will not be
plotted.

Warning in wordcloud(words = team_building_comments$word, freq =
team_building_comments$n, : trabalhos could not be fit on page. It will not be
plotted.

Warning in wordcloud(words = team_building_comments$word, freq =
team_building_comments$n, : umas could not be fit on page. It will not be
plotted.
```

Yoga Comments

```
yoga_comments <- prep_word_cloud(comments_regarding_yoga_class_comentarios_sobre_a_aula_de_y
## Joining, by = "word"

wordcloud(words = yoga_comments$word,
          freq = yoga_comments$n,
          min.freq = 2,
          random.order=FALSE,
          rot.per=0.3,
          colors=brewer.pal(8, "Dark2"))
```
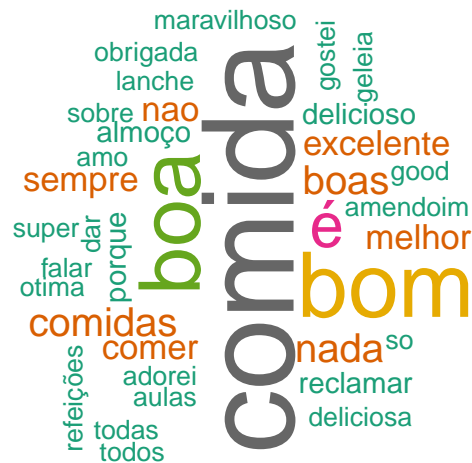
Warning in wordcloud(words = yoga_comments$word, freq = yoga_comments$n, :
gostei could not be fit on page. It will not be plotted.

Food Comments

```
food_comments <- prep_word_cloud(comments_regarding_the_food_comentarios_sobre_a_comida)
## Joining, by = "word"
```

```
wordcloud(words = food_comments$word,
          freq = food_comments$n,
          min.freq = 2,
          random.order=FALSE,
          rot.per=0.3,
          colors=brewer.pal(8, "Dark2"))
```


AMINGA Staff Comments

```
staff_comments <- prep_word_cloud(aminga_staff_2024_overall_insert_appreciations_for_any_of_
## Joining, by = "word"

wordcloud(words = staff_comments$word,
          freq = staff_comments$n,
          min.freq = 2,
          random.order=FALSE,
          rot.per=0.3,
          colors=brewer.pal(8, "Dark2"))
```

Warning in wordcloud(words = staff_comments$word, freq = staff_comments$n, :

obrigado could not be fit on page. It will not be plotted.

Warning in wordcloud(words = staff_comments$word, freq = staff_comments$n, :
amigaveis could not be fit on page. It will not be plotted.

Warning in wordcloud(words = staff_comments$word, freq = staff_comments$n, :
espero could not be fit on page. It will not be plotted.

Warning in wordcloud(words = staff_comments$word, freq = staff_comments$n, :
fizeram could not be fit on page. It will not be plotted.

Warning in wordcloud(words = staff_comments$word, freq = staff_comments$n, :
podia could not be fit on page. It will not be plotted.

Warning in wordcloud(words = staff_comments$word, freq = staff_comments$n, :
presentes could not be fit on page. It will not be plotted.

Warning in wordcloud(words = staff_comments$word, freq = staff_comments$n, :
simpaticas could not be fit on page. It will not be plotted.

Warning in wordcloud(words = staff_comments$word, freq = staff_comments$n, :
simpaticos could not be fit on page. It will not be plotted.

Warning in wordcloud(words = staff_comments$word, freq = staff_comments$n, :
unidos could not be fit on page. It will not be plotted.

Any Comments or Suggestions

```
any_comments <- prep_word_cloud(any_comments_or_suggestions_algum_comentario_ou_sugestao)
## Joining, by = "word"

wordcloud(words = any_comments$word,
          freq = any_comments$n,
          min.freq = 2,
          random.order=FALSE,
          rot.per=0.3,
          colors=brewer.pal(8, "Dark2"))
```