Grouping and summarizing

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Identify the duplicated row

library(tidyverse)

Identify the duplicated subject.

Compute basic statistics for all moral dilemma columns.

Compute the mean, the median, the standard deviation as well as min and max values. Find meaningful short names for the functions such as med for the median.

 $Assign \ {\tt judgments_condition_stats} \ to \ the \ results.$

```
-- Attaching core tidyverse packages ------ tidyverse 2.0.0 --
v dplyr 1.1.4 v readr 2.1.5
v forcats 1.0.1 v stringr 1.5.2
v ggplot2 4.0.0 v tibble 3.3.0
v lubridate 1.9.4 v tidyr 1.3.1
v purrr 1.1.0
-- Conflicts ------ tidyverse_conflicts() --
x dplyr::filter() masks stats::filter()
x dplyr::lag() masks stats::lag()
i Use the conflicted package (<a href="http://conflicted.r-lib.org/">http://conflicted.r-lib.org/</a>) to force all conflicts to be
```

```
Rows: 188 Columns: 158
-- Column specification ------
Delimiter: "\t"
chr (5): start_date, end_date, condition, gender, logbook
dbl (153): finished, subject, age, mood_pre, mood_post, STAI_pre_1_1, STAI_p...
```

```
i Use `spec()` to retrieve the full column specification for this data.
i Specify the column types or set `show_col_types = FALSE` to quiet this message.
judgments_condition_stats <- judgments |>
 reframe(
   across(starts_with("moral_dilemma"), list(avg = mean, med = median, std = sd, min = mi
judgments condition stats
# A tibble: 1 x 35
 moral_dilemma_dog_avg moral_dilemma_dog_med moral_dilemma_dog_std
                  <dbl>
                                        <dbl>
                                                               <dbl>
                   7.35
                                                                2.17
1
# i 32 more variables: moral_dilemma_dog_min <dbl>,
   moral_dilemma_dog_max <dbl>, moral_dilemma_wallet_avg <dbl>,
   moral_dilemma_wallet_med <dbl>, moral_dilemma_wallet_std <dbl>,
#
   moral_dilemma_wallet_min <dbl>, moral_dilemma_wallet_max <dbl>,
   moral_dilemma_plane_avg <dbl>, moral_dilemma_plane_med <dbl>,
   moral_dilemma_plane_std <dbl>, moral_dilemma_plane_min <dbl>,
   moral_dilemma_plane_max <dbl>, moral_dilemma_resume_avg <dbl>, ...
```

Sort by groups

Find the number of subjects by age, gender and condition, e.g. how many 20 years of age females are in the stress group.

Sort the resulting tibble such that the condition that contains the most populous group is sorted first (i.e. stress or control appear together).

```
judgments |>
  group_by(age, gender, condition, .add = FALSE, .drop = TRUE) |>
 tally(sort=TRUE)
# A tibble: 33 x 4
# Groups:
            age, gender [20]
    age gender condition
                              n
   <dbl> <chr> <chr>
                          <int>
      18 female stress
                             27
 2
     18 female control
                             25
 3
     19 female stress
                             19
 4
     19 female control
                             17
5
     20 female stress
                             14
 6
     22 female stress
                              9
7
     18 male control
                              7
```

```
8 21 female control 7
9 20 male control 6
10 17 female stress 5
# i 23 more rows
```

Ensure that the resulting tibble does not contain groups.