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library(tidyverse)

## -- Attaching core tidyverse packages ----- tidyverse 2.0.0 --
## v dplyr      1.1.4      v readr      2.1.5
## v forcats    1.0.0      v stringr   1.5.1
## v ggplot2    3.5.1      v tibble    3.2.1
## v lubridate  1.9.3      v tidyr     1.3.1
## v purrr      1.0.2
## -- Conflicts ----- tidyverse_conflicts() --
## x dplyr::filter() masks stats::filter()
## x dplyr::lag()     masks stats::lag()
## i Use the conflicted package (<http://conflicted.r-lib.org/>) to force all conflicts to become errors

data <- read_csv("featcomp.csv")

## Rows: 61 Columns: 21
## -- Column specification -----
## Delimiter: ","
## chr  (2): Variable, Sign
## dbl  (15): Importance, p_value, estimate, wilcox_p, wilcox_r, kw_p, kw_chi2, ...
## lgl  (4): selected_pval, wilcox_sel, kw_sel, selected_reg
##
## 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.

p_show <- function(x) {
  case_when(
    x < 0.0001 ~ "< .0001",
    x < 0.001  ~ "< .001",
    x < 0.01   ~ "< .01",
    x < 0.05   ~ "< .05",
    .default = as.character(round(x, 2))
  )
}

sign_show <- function(x) case_when(x < 0 ~ "-", x > 0 ~ "+", .default = "")

data %>%
  filter(kw_sel) %>%
  select(
    Variable, kw_chi2, kw_p, kw_epsilon2_lci,
    kw_epsilon2, kw_epsilon2_uci, mean_sign
  ) %>%
  arrange(-kw_epsilon2) %>%
  mutate(across(kw_chi2, ~ round(.x, 2))) %>%
  mutate(across(kw_p, p_show)) %>%
  mutate(across(mean_sign, sign_show)) %>%
  mutate(across(
    c(kw_epsilon2_lci, kw_epsilon2, kw_epsilon2_uci), ~ round(.x, 3)
  )) %>%
  write_tsv("table_selected.tsv")

data %>%
  filter(!kw_sel) %>%
  select(

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  Variable, kw_chi2, kw_p
) %>%
  arrange(str_to_lower(Variable)) %>%
  mutate(across(kw_chi2, ~ round(.x, 2))) %>%
  mutate(across(kw_p, p_show)) %>%
  write_tsv("table_rejected.tsv")
```