

# SAK\_ResearchSprint

2024-11-21

## R Markdown

This is an R Markdown document. Markdown is a simple formatting syntax for authoring HTML, PDF, and MS Word documents. For more details on using R Markdown see <http://rmarkdown.rstudio.com>.

When you click the **Knit** button a document will be generated that includes both content as well as the output of any embedded R code chunks within the document. You can embed an R code chunk like this:

```
files<-list.files("data",recursive = TRUE,full.names = TRUE,pattern="puf")

pulse<-map_df(files,read_csv)

## Rows: 70685 Columns: 243
## -- Column specification -----
## Delimiter: ","
## chr (2): SCRAM, EST_ST
## dbl (241): WEEK, EST_MSA, REGION, HWEIGHT, PWEIGHT, TBIRTH_YEAR, ABIRTH_YEAR...
##
## 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.
## Rows: 68504 Columns: 243
## -- Column specification -----
## Delimiter: ","
## chr (2): SCRAM, EST_ST
## dbl (241): WEEK, EST_MSA, REGION, HWEIGHT, PWEIGHT, TBIRTH_YEAR, ABIRTH_YEAR...
##
## 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.
## Rows: 75709 Columns: 243
## -- Column specification -----
## Delimiter: ","
## chr (2): SCRAM, EST_ST
## dbl (241): WEEK, EST_MSA, REGION, HWEIGHT, PWEIGHT, TBIRTH_YEAR, ABIRTH_YEAR...
##
## 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.
## Rows: 72738 Columns: 244
## -- Column specification -----
## Delimiter: ","
## chr (2): SCRAM, EST_ST
## dbl (242): WEEK, EST_MSA, REGION, HWEIGHT, PWEIGHT, TBIRTH_YEAR, ABIRTH_YEAR...
##
## 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.
```

```

## Rows: 61927 Columns: 244
## -- Column specification -----
## Delimiter: ","
## chr (2): SCRAM, EST_ST
## dbl (242): WEEK, EST_MSA, REGION, HWEIGHT, PWEIGHT, TBIRTH_YEAR, ABIRTH_YEAR...
##
## 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.
## Rows: 59290 Columns: 244
## -- Column specification -----
## Delimiter: ","
## chr (2): SCRAM, EST_ST
## dbl (242): WEEK, EST_MSA, REGION, HWEIGHT, PWEIGHT, TBIRTH_YEAR, ABIRTH_YEAR...
##
## 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.
## Rows: 64792 Columns: 221
## -- Column specification -----
## Delimiter: ","
## chr (2): SCRAM, EST_ST
## dbl (219): WEEK, EST_MSA, REGION, HWEIGHT, PWEIGHT, TBIRTH_YEAR, ABIRTH_YEAR...
##
## 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.
## Rows: 63802 Columns: 221
## -- Column specification -----
## Delimiter: ","
## chr (2): SCRAM, EST_ST
## dbl (219): WEEK, EST_MSA, REGION, HWEIGHT, PWEIGHT, TBIRTH_YEAR, ABIRTH_YEAR...
##
## 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.
## Rows: 68830 Columns: 221
## -- Column specification -----
## Delimiter: ","
## chr (2): SCRAM, EST_ST
## dbl (219): WEEK, EST_MSA, REGION, HWEIGHT, PWEIGHT, TBIRTH_YEAR, ABIRTH_YEAR...
##
## 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.
## Rows: 68454 Columns: 247
## -- Column specification -----
## Delimiter: ","
## chr (2): SCRAM, EST_ST
## dbl (245): WEEK, EST_MSA, REGION, HWEIGHT, PWEIGHT, TBIRTH_YEAR, ABIRTH_YEAR...
##
## 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.
## Rows: 72839 Columns: 247
## -- Column specification -----
## Delimiter: ","
## chr (2): SCRAM, EST_ST
## dbl (245): WEEK, EST_MSA, REGION, HWEIGHT, PWEIGHT, TBIRTH_YEAR, ABIRTH_YEAR...
##

```

```
## 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.
## Rows: 79371 Columns: 247
## -- Column specification -----
## Delimiter: ","
## chr (2): SCRAM, EST_ST
## dbl (245): WEEK, EST_MSA, REGION, HWEIGHT, PWEIGHT, TBIRTH_YEAR, ABIRTH_YEAR...
##
## 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.
```

```
pulse_perception<-pulse %>%
  select(PRICECHNG) %>%
  filter(PRICECHNG>-88)

wider_perception <- pulse_perception %>%
  count(PRICECHNG) %>%
  pivot_wider(names_from = PRICECHNG, values_from = n)

pulse_income <- pulse %>%
  filter(INCOME>-88) %>%
  select(INCOME)%>%
  count(INCOME) %>%
  pivot_wider(names_from = INCOME, values_from = n)

join <- cbind(wider_perception,pulse_income)
```