## sampling

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## SETTING ENVIRONEMENT

rm(list = ls())

```
library(data.table)
library(tidyverse)
source(here::here("R/statdesc_functions.R"))
source(here::here("R/sampling_functions.R"))
list.files(path = "data")
## character(0)
## import data ##
# loading all 2021 data in order to compare
tab2021 <- load_data("nat2021us.csv")</pre>
# designing our sample #
# issue with the column names #
ndiff1 <- setdiff(</pre>
  (sample_df("nat2019us.csv", n = 1, segment_treat = F) %>% colnames()),
  (sample_df("nat2021us.csv", n = 1, segment_treat = F) %>% colnames())
ndiff2 <- setdiff(</pre>
  (sample_df("nat2021us.csv", n = 1, segment_treat = F) %>% colnames()),
  (sample_df("nat2019us.csv", n = 1, segment_treat = F) %>% colnames())
to_remove <- c(ndiff1, ndiff2)</pre>
n <- 300000
s2021 <- sample_df("nat2021us.csv", n, remove = to_remove)</pre>
s2020 <- sample_df("nat2020us.csv", n, remove = to_remove)</pre>
s2019 <- sample_df("nat2019us.csv", n, remove = to_remove)</pre>
s2018 <- sample_df("nat2018us.csv", n, remove = to_remove)</pre>
```

var	N	U	Y	X
Infertility Treatment Used	0.977	0.001	0.022	NA
Fertility Enhancing Drugs	0.013	0.002	0.008	0.977
Asst. Reproductive Technology	0.006	0.002	0.015	0.977
var	N	Y	U	X
Infertility Treatment Used	0.500	0.500	NA	NA

0.013

0.006

0.008

0.015

0.002

0.002

0.977

0.977

## STAT DESC

• Sur les 3669928 données de 2021, on a:

Fertility Enhancing Drugs

Asst. Reproductive Technology

• Sur les 1200000 données de notre échantillon (2019 + 2020 + 2021), on a: