Model Complete Cases

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```
library(here)
library(readr)
library(dplyr)
library(tidyr)
library(survey)
library(purrr)
library(furrr)
plan(multiprocess)
source("kod/get_modelstats.R")
#Variables to be included in the model
chsn <- c(
          "PERMTH_INT", #time
          "canc_mort", \#event
          "SDPPSU6", #PSU
          "SDPSTRA6", #Stratification
          "WTPFQX6", #Weights
          "age_strat" #Age strata from script 3
          #"HSAGEIR" #Age in years at interview
         )
#Variables to be removed from the model
remv <- c(
          "HAN9", #remove age variables
          "HAQ7",
          "HAT29",
          "HAJO"
         )
path <- 'dat/3-clean-complete-cases.rds'</pre>
# the modelstats function returns a dataframe
# after taking in the following arguments
#seed.
#n_random_vars,
#datafile_path,
#chosen_vars,
#remove_vars
map_sizes <- function(seed){</pre>
map2_dfr(.x = seed,
         .y = seq(10), # number of random variables
         ~try(get_modelstats(seed=.x,
                          n_random_vars=.y,
                          datafile_path=path,
                          chosen_vars=chsn,
                         remove_vars=remv)))
}
#save an object with 1000 models
try(map_dfr(.x = seq(50), # number of seeds
```

```
.f = ~try(map_sizes(seed=.x)))) %>%
write_rds(here("dat/4-model-first-rum.rds"))

## Warning in fitter(X, Y, strats, offset, init, control, weights = weights, :
## Loglik converged before variable 1; beta may be infinite.

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## Warning in fitter(X, Y, strats, offset, init, control, weights = weights, :
## Loglik converged before variable 2,3; beta may be infinite.

## Warning in coxph(formula = Surv(PERMTH_INT, canc_mort) ~ strata(age_strat)
## + : X matrix deemed to be singular; variable 1
```