Double Check Clinical vars

This calculations were run (on a kimel lab machine) to double check the coding of cases and controls and Sex in our phenotypic file.

While most things are fine. Two issues were identified:

1. Two participants in COBRE are coded as Controls, but appear to be cases
2. 30 (SSD) participants from ZHH look like they might be repeated.

```
library(dplyr)
library(tidyr)
library(readr)
library(stringr)
library(ggplot2)
library(knitr)
```

Reading Saba's clinical data page

```
## reading in the qced_sublists csv to get the sublists
qced_sublists <- read_csv("../phenotypic/NEWallSubjects_completeData3_DM_not_sexmatched.csv",
                          col_types = c(
                            X1 = col_integer(),
                            name = col_character(),
                            subid = col_character(),
                            DX_GROUP = col_integer(),
                            mean_fd = col_double(),
                            age = col_integer(),
                            sex.x = col_integer(),
                            educationCode = col_double(),
                            site = col_integer(),
                            sex.y = col_integer(),
                            X.bad_fd = col_double(),
                            global_corr = col_double(),
                            mean_snfr = col_double()
                          ))
```

```
## Warning: Missing column names filled in: 'X1' [1]
```

```
pheno <- qced_sublists %>%
  mutate(Site = factor(site, levels = c(1,2,3),
                       labels = c("CMH","ZHH","COBRE")) ,
         DX = factor(DX_GROUP, level = c(1,2), labels = c('SSD', 'Ctrl')),
         Sex = factor(sex.x, levels = c(1,2), labels = c('M','F')),
         Edu = if_else(is.na(educationCode),
                       true = mean(educationCode, na.rm = T),
                       false = educationCode))
```

reading the COBRE demographics page

```
schizconnect_COBRE_assessmentData_3125 <- read_csv("/external/SchizConnect/COBRE/schizconnect_COBRE_ass
                                                   col_types = c(
```

```
  source = col_character(),
  study = col_character(),
  site = col_character(),
  subjectid = col_character(),
  visit = col_character(),
  assessment = col_character(),
  assessment_description = col_character(),
  question_id = col_character(),
  question_value = col_character()
)) %>%
  mutate(subid = str_c('COBRE_', subjectid, '_SESS01'))
```

```
cobre_check <- inner_join(schizconnect_COBRE_assessmentData_3125, pheno, by = "subid")
```

```
cobre_check %>%
  filter(question_id == "CODEM_2") %>%
  select(sex.x, question_value) %>%
  ftable()
```

```
##       question_value Female Male
## sex.x
## 1                         0   57
## 2                        21    0
```

```
cobre_check %>%
  filter(question_id == "CODEM_17") %>%
  select(DX_GROUP, question_value) %>%
  ftable()
```

```
##          question_value 11 13 14 15 16 17 18 19 20 21 22 24 25 26 9999 md N/A
## DX_GROUP
## 1                        1  0  1  2  1  3  5  2  0  3  2  1  1  1    0  0   0
## 2                        0  1  0  0  0  0  0  0  1  0  0  0  0  0   14  1  14
```

```
cobre_weird <- cobre_check %>%
  filter(question_id == "CODEM_17",
         question_value %in% c("13", "20")) %>%
  select(subid)

inner_join(cobre_weird, cobre_check, by = "subid") %>%
  select(question_id, question_value, age, Sex, Edu, DX)
```

```
## # A tibble: 626 x 6
##    question_id question_value   age Sex     Edu DX
##    <chr>       <chr>          <int> <fct> <dbl> <fct>
##  1 CODEM_1     38                38 M      12.0 Ctrl
##  2 CODEM_10    Right             38 M      12.0 Ctrl
##  3 CODEM_11    no                38 M      12.0 Ctrl
##  4 CODEM_12    <NA>              38 M      12.0 Ctrl
##  5 CODEM_13    <NA>              38 M      12.0 Ctrl
##  6 CODEM_14    no                38 M      12.0 Ctrl
##  7 CODEM_15    <NA>              38 M      12.0 Ctrl
##  8 CODEM_16    20                38 M      12.0 Ctrl
##  9 CODEM_17    20                38 M      12.0 Ctrl
## 10 CODEM_18    20                38 M      12.0 Ctrl
## # ... with 616 more rows
```

Conclusion: These two participants are NOT Controls...

COBRE_A00028189_SESS01
COBRE_A00035836_SESS01

```
pheno_corrected <- pheno
for (badsub in cobre_weird$subid) {
  pheno_corrected$DX[pheno_corrected$subid == badsub] <- 'SSD'
  pheno_corrected$DX_GROUP[pheno_corrected$subid == badsub] <- 1
}

cobre_recheck <- inner_join(schizconnect_COBRE_assessmentData_3125, pheno_corrected, by = "subid")

cobre_recheck %>%
  filter(question_id == "CODEM_17") %>%
  select(DX_GROUP, question_value) %>%
  ftable()
```

```
##          question_value 11 13 14 15 16 17 18 19 20 21 22 24 25 26 9999 md N/A
## DX_GROUP
## 1                        1  1  1  2  1  3  5  2  1  3  2  1  1  1    0  0   0
## 2                        0  0  0  0  0  0  0  0  0  0  0  0  0  0   14  1  14
```

Now looking at ZHH data

```
library(readxl)
qrySZ_Sess_Miklos <- read_excel("/external/miklos/demographics/qrySZ_Sess_Miklos.xlsx")
```

```
## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F2 / R2C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F3 / R3C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F4 / R4C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F5 / R5C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F6 / R6C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F7 / R7C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F8 / R8C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F9 / R9C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F10 / R10C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F11 / R11C6: got a date
```

```
## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F12 / R12C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F13 / R13C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F14 / R14C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F15 / R15C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F16 / R16C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F17 / R17C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F18 / R18C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F19 / R19C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F20 / R20C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F21 / R21C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F22 / R22C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F23 / R23C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F24 / R24C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F25 / R25C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F26 / R26C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F27 / R27C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F28 / R28C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F29 / R29C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F30 / R30C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F31 / R31C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F32 / R32C6: got a date
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## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F33 / R33C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F34 / R34C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F35 / R35C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F36 / R36C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F37 / R37C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F38 / R38C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F39 / R39C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F40 / R40C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F41 / R41C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F42 / R42C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F43 / R43C6: got a date

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## shim, : Expecting numeric in F44 / R44C6: got a date

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## shim, : Expecting numeric in F45 / R45C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F46 / R46C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F47 / R47C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F48 / R48C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F49 / R49C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F50 / R50C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F51 / R51C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F52 / R52C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F53 / R53C6: got a date
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## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F54 / R54C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F55 / R55C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F56 / R56C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F57 / R57C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F58 / R58C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F59 / R59C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F60 / R60C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F61 / R61C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F62 / R62C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F63 / R63C6: got a date

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## shim, : Expecting numeric in F64 / R64C6: got a date

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## shim, : Expecting numeric in F65 / R65C6: got a date

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## shim, : Expecting numeric in F66 / R66C6: got a date

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## shim, : Expecting numeric in F67 / R67C6: got a date

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## shim, : Expecting numeric in F68 / R68C6: got a date

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## shim, : Expecting numeric in F69 / R69C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F70 / R70C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F71 / R71C6: got a date

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## shim, : Expecting numeric in F72 / R72C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F73 / R73C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F74 / R74C6: got a date
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## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F75 / R75C6: got a date

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## shim, : Expecting numeric in F76 / R76C6: got a date

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## shim, : Expecting numeric in F77 / R77C6: got a date

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## shim, : Expecting numeric in F78 / R78C6: got a date

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## shim, : Expecting numeric in F79 / R79C6: got a date

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## shim, : Expecting numeric in F80 / R80C6: got a date

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## shim, : Expecting numeric in F81 / R81C6: got a date

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## shim, : Expecting numeric in F82 / R82C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F83 / R83C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F84 / R84C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F85 / R85C6: got a date

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## shim, : Expecting numeric in F86 / R86C6: got a date

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## shim, : Expecting numeric in F87 / R87C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F88 / R88C6: got a date

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## shim, : Expecting numeric in F89 / R89C6: got a date

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## shim, : Expecting numeric in F90 / R90C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F91 / R91C6: got a date

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## shim, : Expecting numeric in F92 / R92C6: got a date

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## shim, : Expecting numeric in F93 / R93C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F94 / R94C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F95 / R95C6: got a date
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## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F96 / R96C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F97 / R97C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F98 / R98C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F99 / R99C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F100 / R100C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F101 / R101C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F102 / R102C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F103 / R103C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F104 / R104C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F105 / R105C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F106 / R106C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F107 / R107C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F108 / R108C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F109 / R109C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F110 / R110C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F111 / R111C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F112 / R112C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F113 / R113C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F114 / R114C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F115 / R115C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F116 / R116C6: got a date
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## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F117 / R117C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F118 / R118C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F119 / R119C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F120 / R120C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F121 / R121C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F122 / R122C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F123 / R123C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F124 / R124C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F125 / R125C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F126 / R126C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F127 / R127C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F128 / R128C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F129 / R129C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F130 / R130C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F131 / R131C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F132 / R132C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F133 / R133C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F134 / R134C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F135 / R135C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F136 / R136C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F137 / R137C6: got a date
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## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F138 / R138C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F139 / R139C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F140 / R140C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F141 / R141C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F142 / R142C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F143 / R143C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F144 / R144C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F145 / R145C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F146 / R146C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F147 / R147C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F148 / R148C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F149 / R149C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F150 / R150C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F151 / R151C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F152 / R152C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F153 / R153C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F154 / R154C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F155 / R155C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F156 / R156C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F157 / R157C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F158 / R158C6: got a date
```

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## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F159 / R159C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F160 / R160C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F161 / R161C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F162 / R162C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F163 / R163C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F164 / R164C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F165 / R165C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F166 / R166C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F167 / R167C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F168 / R168C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F169 / R169C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F170 / R170C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F171 / R171C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F172 / R172C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F173 / R173C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F174 / R174C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F175 / R175C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F176 / R176C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F177 / R177C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F178 / R178C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F179 / R179C6: got a date
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## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F180 / R180C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F181 / R181C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F182 / R182C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F183 / R183C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F184 / R184C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F185 / R185C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F186 / R186C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F187 / R187C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F188 / R188C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F189 / R189C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F190 / R190C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F191 / R191C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F192 / R192C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F193 / R193C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F194 / R194C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F195 / R195C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F196 / R196C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F197 / R197C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F198 / R198C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F199 / R199C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F200 / R200C6: got a date
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## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F201 / R201C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F202 / R202C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F203 / R203C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F204 / R204C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F205 / R205C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F206 / R206C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F207 / R207C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F208 / R208C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F209 / R209C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F210 / R210C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F211 / R211C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F212 / R212C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F213 / R213C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F214 / R214C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F215 / R215C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F216 / R216C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F217 / R217C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F218 / R218C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F219 / R219C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F220 / R220C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F221 / R221C6: got a date
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## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F222 / R222C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F223 / R223C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F224 / R224C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F225 / R225C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F226 / R226C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F227 / R227C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F228 / R228C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F229 / R229C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F230 / R230C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F231 / R231C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F232 / R232C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F233 / R233C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F234 / R234C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F235 / R235C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F236 / R236C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F237 / R237C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F238 / R238C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F239 / R239C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F240 / R240C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F241 / R241C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F242 / R242C6: got a date
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## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F243 / R243C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F244 / R244C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F245 / R245C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F246 / R246C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F247 / R247C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F248 / R248C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F249 / R249C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F250 / R250C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F251 / R251C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F252 / R252C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F253 / R253C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F254 / R254C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F255 / R255C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F256 / R256C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F257 / R257C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F258 / R258C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F259 / R259C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F260 / R260C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F261 / R261C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F262 / R262C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F263 / R263C6: got a date
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## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F264 / R264C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F265 / R265C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F266 / R266C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F267 / R267C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F268 / R268C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F269 / R269C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F270 / R270C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F271 / R271C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F272 / R272C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F273 / R273C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F274 / R274C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F275 / R275C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F276 / R276C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F277 / R277C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F278 / R278C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F279 / R279C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F280 / R280C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F281 / R281C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F282 / R282C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F283 / R283C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F284 / R284C6: got a date
```

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## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F285 / R285C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F286 / R286C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F287 / R287C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F288 / R288C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F289 / R289C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F290 / R290C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F291 / R291C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F292 / R292C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F293 / R293C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F294 / R294C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F295 / R295C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F296 / R296C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F297 / R297C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F298 / R298C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F299 / R299C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F300 / R300C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F301 / R301C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F302 / R302C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F303 / R303C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F304 / R304C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F305 / R305C6: got a date
```

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## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F306 / R306C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F307 / R307C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F308 / R308C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F309 / R309C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F310 / R310C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F311 / R311C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F312 / R312C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F313 / R313C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F314 / R314C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F315 / R315C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F316 / R316C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F317 / R317C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F318 / R318C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F319 / R319C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F320 / R320C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F321 / R321C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F322 / R322C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F323 / R323C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F324 / R324C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F325 / R325C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F326 / R326C6: got a date
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## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F327 / R327C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F328 / R328C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F329 / R329C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F330 / R330C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F331 / R331C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F332 / R332C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F333 / R333C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F334 / R334C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F335 / R335C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F336 / R336C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F337 / R337C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F338 / R338C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F339 / R339C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F340 / R340C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F341 / R341C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F342 / R342C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F343 / R343C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F344 / R344C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F345 / R345C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F346 / R346C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F347 / R347C6: got a date
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## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F348 / R348C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F349 / R349C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F350 / R350C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F351 / R351C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F352 / R352C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F353 / R353C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F354 / R354C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F355 / R355C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F356 / R356C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F357 / R357C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F358 / R358C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F359 / R359C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F360 / R360C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F361 / R361C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F362 / R362C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F363 / R363C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F364 / R364C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F365 / R365C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F366 / R366C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F367 / R367C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F368 / R368C6: got a date
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## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F369 / R369C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F370 / R370C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F371 / R371C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F372 / R372C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F373 / R373C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F374 / R374C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F375 / R375C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F376 / R376C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F377 / R377C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F378 / R378C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F379 / R379C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F380 / R380C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F381 / R381C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F382 / R382C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F383 / R383C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F384 / R384C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F385 / R385C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F386 / R386C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F387 / R387C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F388 / R388C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F389 / R389C6: got a date
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## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F390 / R390C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F391 / R391C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F392 / R392C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F393 / R393C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F394 / R394C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F395 / R395C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F396 / R396C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F397 / R397C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F398 / R398C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F399 / R399C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F400 / R400C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F401 / R401C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F402 / R402C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F403 / R403C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F404 / R404C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F405 / R405C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F406 / R406C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F407 / R407C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F408 / R408C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F409 / R409C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F410 / R410C6: got a date
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## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F411 / R411C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F412 / R412C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F413 / R413C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F414 / R414C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F415 / R415C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F416 / R416C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F417 / R417C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F418 / R418C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F419 / R419C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F420 / R420C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F421 / R421C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F422 / R422C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F423 / R423C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F424 / R424C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F425 / R425C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F426 / R426C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F427 / R427C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F428 / R428C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F429 / R429C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F430 / R430C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F431 / R431C6: got a date
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## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F432 / R432C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F433 / R433C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F434 / R434C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F435 / R435C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F436 / R436C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F437 / R437C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F438 / R438C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F439 / R439C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F440 / R440C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F441 / R441C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F442 / R442C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F443 / R443C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F444 / R444C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F445 / R445C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F446 / R446C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F447 / R447C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F448 / R448C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F449 / R449C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F450 / R450C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F451 / R451C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F452 / R452C6: got a date
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## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F453 / R453C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F454 / R454C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F455 / R455C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F456 / R456C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F457 / R457C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F458 / R458C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F459 / R459C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F460 / R460C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F461 / R461C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F462 / R462C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F463 / R463C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F464 / R464C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F465 / R465C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F466 / R466C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F467 / R467C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F468 / R468C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F469 / R469C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F470 / R470C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F471 / R471C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F472 / R472C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F473 / R473C6: got a date
```

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## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F474 / R474C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F475 / R475C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F476 / R476C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F477 / R477C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F478 / R478C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F479 / R479C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F480 / R480C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F481 / R481C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F482 / R482C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F483 / R483C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F484 / R484C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F485 / R485C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F486 / R486C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F487 / R487C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F488 / R488C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F489 / R489C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F490 / R490C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F491 / R491C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F492 / R492C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F493 / R493C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F494 / R494C6: got a date
```

```
## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F495 / R495C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F496 / R496C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F497 / R497C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F498 / R498C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F499 / R499C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F500 / R500C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F501 / R501C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in F502 / R502C6: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in H503 / R503C8: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in H504 / R504C8: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in H505 / R505C8: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in H506 / R506C8: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in H507 / R507C8: got a date

## Warning in read_fun(path = path, sheet = sheet, limits = limits, shim =
## shim, : Expecting numeric in H508 / R508C8: got a date
```

```
qryHC_Sess_Miklos <- read_excel("/external/miklos/demographics/qryHC_NewResting_15-40.xlsx")
```

```
pheno %>% filter(Site == "ZHH") %>% select(subid) %>% slice(1:5)
```

```
## # A tibble: 5 x 1
##   subid
##   <chr>
## 1 EXP_21359_SESS01
## 2 EXP_21362_SESS01
## 3 EXP_21366_SESS01
## 4 EXP_21367_SESS01
## 5 EXP_21368_SESS01
```

```
ZHH_HC <- qryHC_Sess_Miklos %>%
  mutate(subid = str_c('EXP_',SessNo, '_SESS01')) %>%
  inner_join(qced_sublists, by = "subid")
```

```
ZHH_HC %>%
  select(sex, sex.x) %>%
  ftable
```

```
##     sex.x  1  2
## sex
## 1         50  0
## 2          0 54
```

```
ZHH_HC %>%
  select(sex, DX_GROUP) %>%
  ftable
```

```
##     DX_GROUP  2
## sex
## 1            50
## 2            54
```

```
ZHH_SZ <- qrySZ_Sess_Miklos %>%
  mutate(subid = str_c('EXP_',SessNo, '_SESS01')) %>%
  inner_join(qced_sublists, by = "subid")
```

```
ZHH_SZ %>%
  select(sex, DX_GROUP) %>%
  ftable
```

```
##     DX_GROUP   1
## sex
## 1            100
## 2             31
```

```
ZHH_SZ %>%
  select(sex, sex.x) %>%
  ftable
```

```
##     sex.x   1   2
## sex
## 1         100   0
## 2           0  31
```

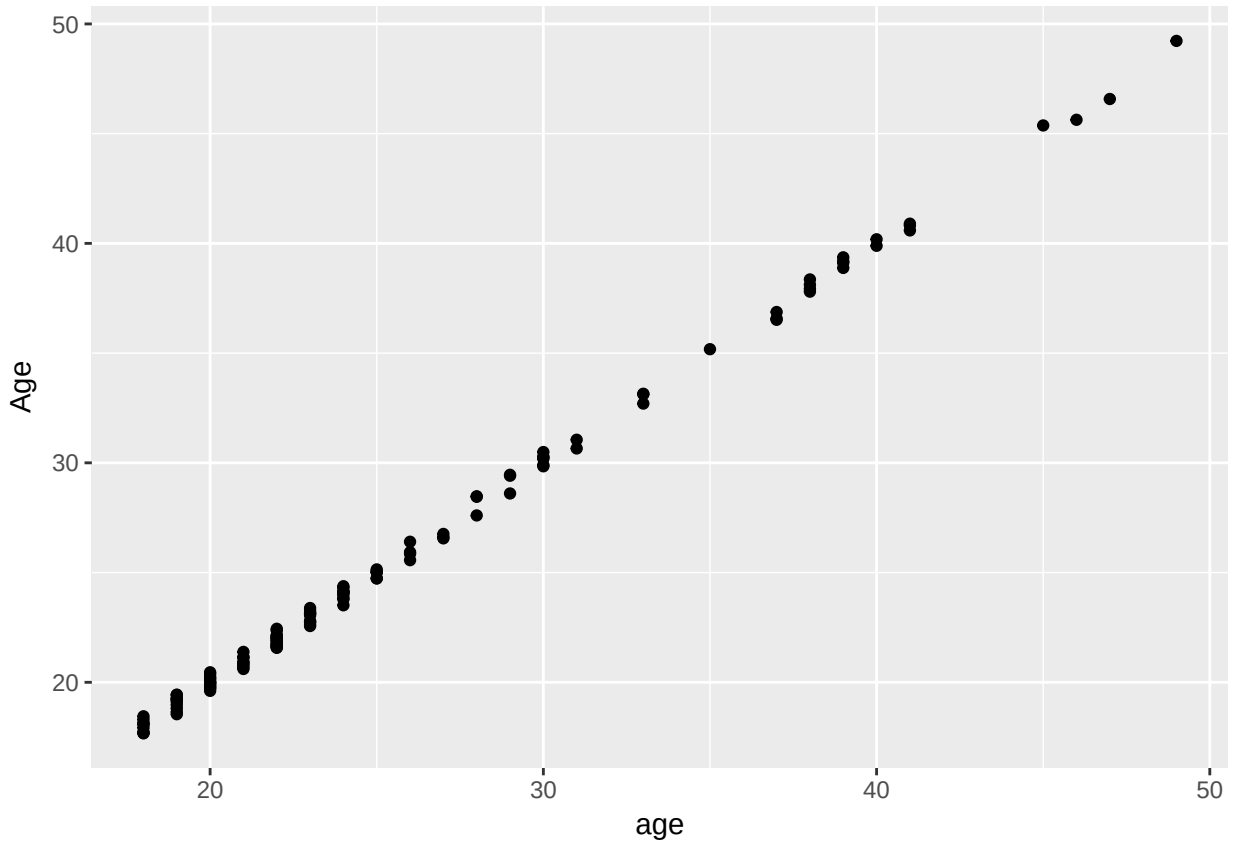
```
ZHH_SZ %>%
  select(sex, DX_GROUP) %>%
  ftable
```

```
##     DX_GROUP   1
## sex
## 1            100
## 2             31
```

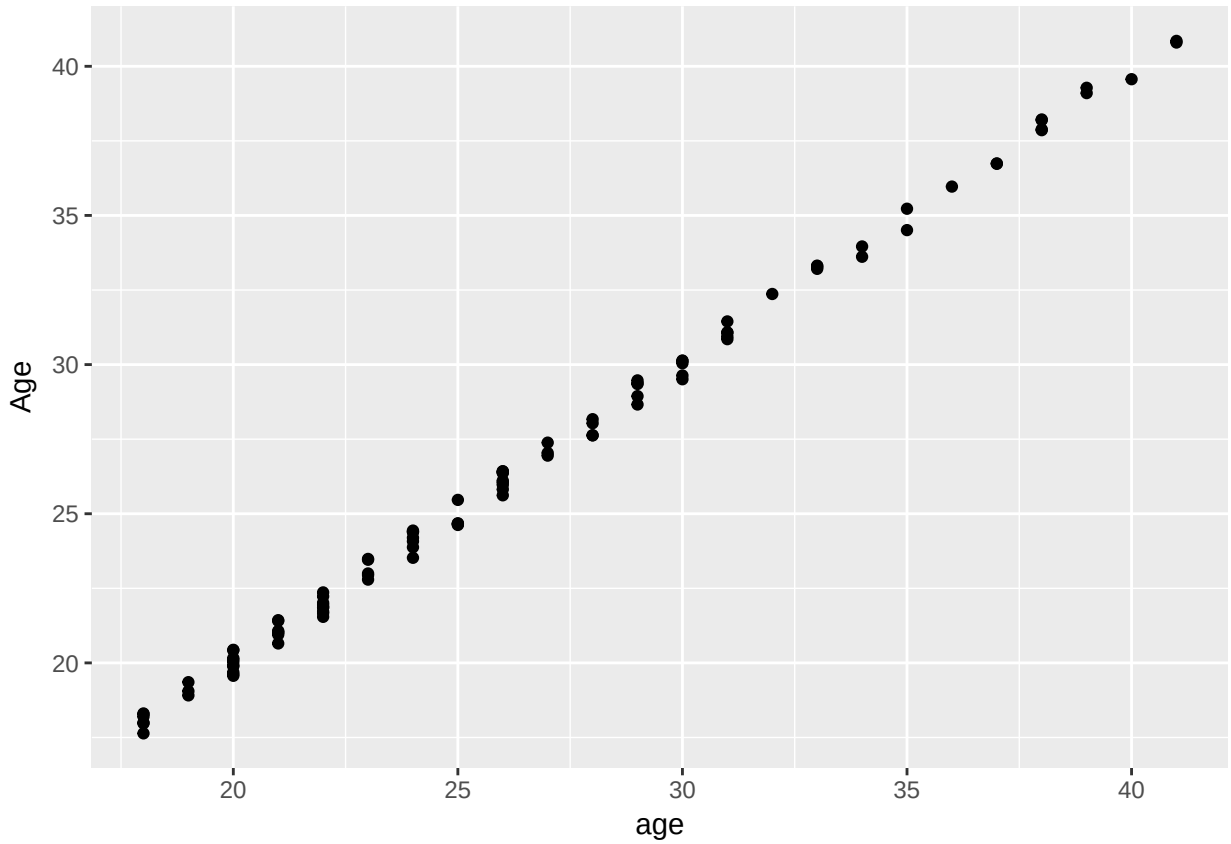
```
repeated_SZ_subjects <- ZHH_SZ %>%
 count(grid) %>%
 filter(n > 1)
```

```
repeated_HC_subjects <- ZHH_HC %>%
 count(GRID) %>%
 filter(n > 1)
```

```
ggplot(ZHH_SZ, aes(x = age, y = Age)) + geom_point()
```




```
ggplot(ZHH_HC, aes(x = age, y = Age)) + geom_point()
```

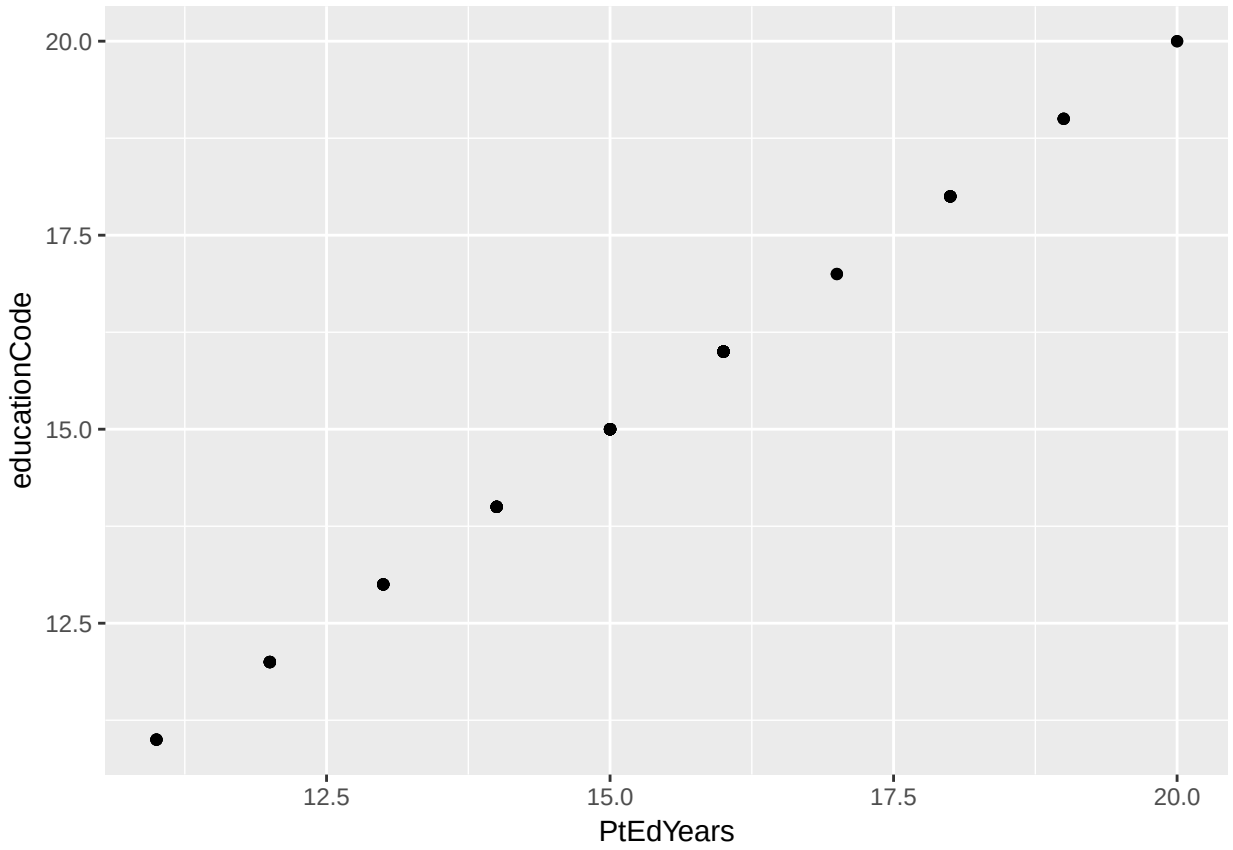



```
names(ZHH_HC)
```

```
##  [1] "GRID"                 "sex"                  "PtEdYears"
##  [4] "PtEdHighestHol_Demo" "SessNo"               "STUDYID"
##  [7] "ID"                   "Age"                  "SubjectType"
## [10] "NewRSfMRI"            "EXAMTYPE"             "EXAMDATE"
## [13] "subid"                "X1"                   "name"
## [16] "DX_GROUP"             "mean_fd"              "age"
## [19] "sex.x"                "educationCode"        "site"
## [22] "sex.y"                "X.bad_fd"             "global_corr"
## [25] "mean_snfr"
```

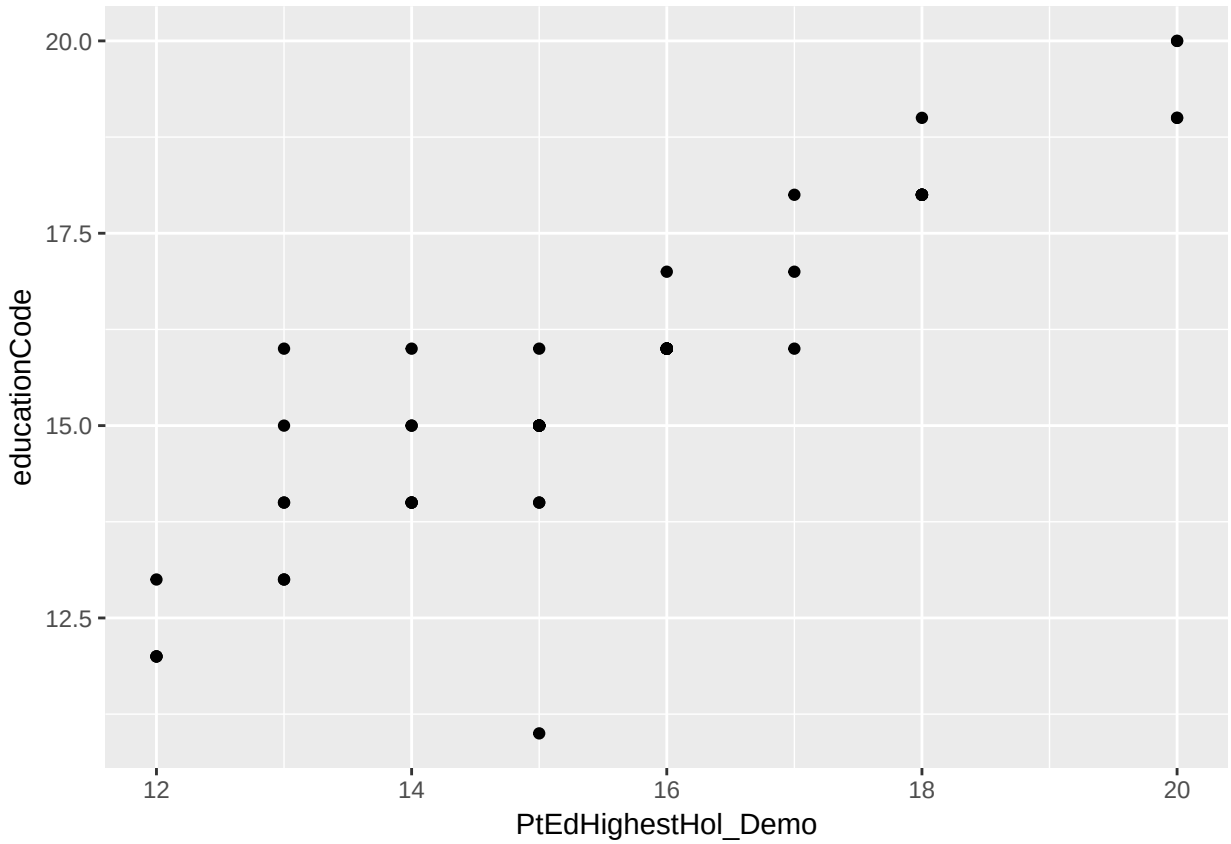
```
ggplot(ZHH_HC, aes(x = PtEdYears, y = educationCode)) + geom_point()
```

```
## Warning: Removed 31 rows containing missing values (geom_point).
```




```
ggplot(ZHH_HC, aes(x = PtEdHighestHol_Demo, y = educationCode)) + geom_point()
```

```
## Warning: Removed 42 rows containing missing values (geom_point).
```



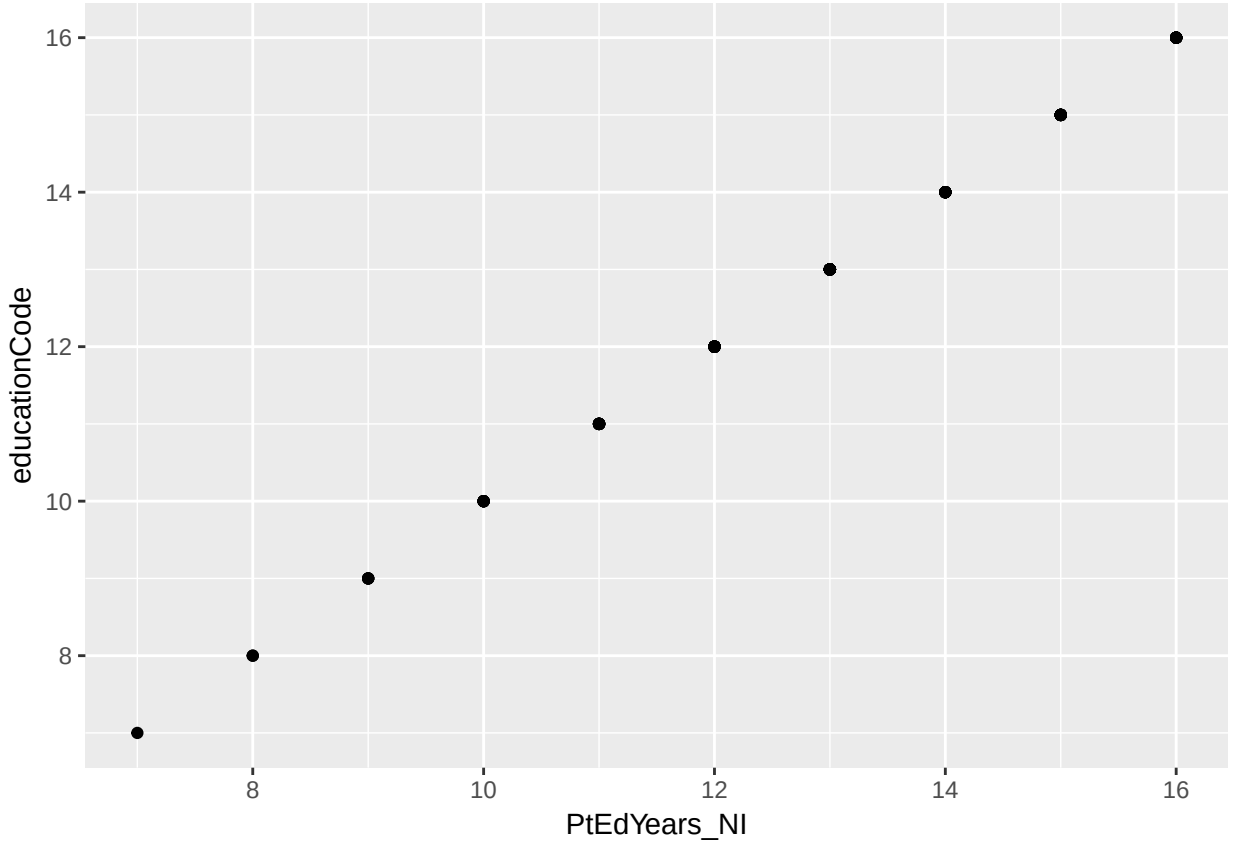

```
names(ZHH_SZ)
```

```
##  [1] "grid"
##  [2] "sex"
##  [3] "race"
##  [4] "PtEdYears_NI"
##  [5] "PtEdHighestHol_Demo"
##  [6] "Age"
##  [7] "MRI_Study"
##  [8] "DOS"
##  [9] "SessNo"
## [10] "EXAMTYPE"
## [11] "Schizoaffective Disorder"
## [12] "Schizophrenia, Catatonic Type"
## [13] "Schizophrenia, Disorganized Type"
## [14] "Schizophrenia, Paranoid Type"
## [15] "Schizophrenia, Residual Type"
## [16] "Schizophrenia, Undifferentiated Type"
## [17] "Schizophreniform Disorder"
## [18] "subid"
## [19] "X1"
## [20] "name"
## [21] "DX_GROUP"
## [22] "mean_fd"
## [23] "age"
## [24] "sex.x"
## [25] "educationCode"
```

```
## [26] "site"
## [27] "sex.y"
## [28] "X.bad_fd"
## [29] "global_corr"
## [30] "mean_snfr"
```

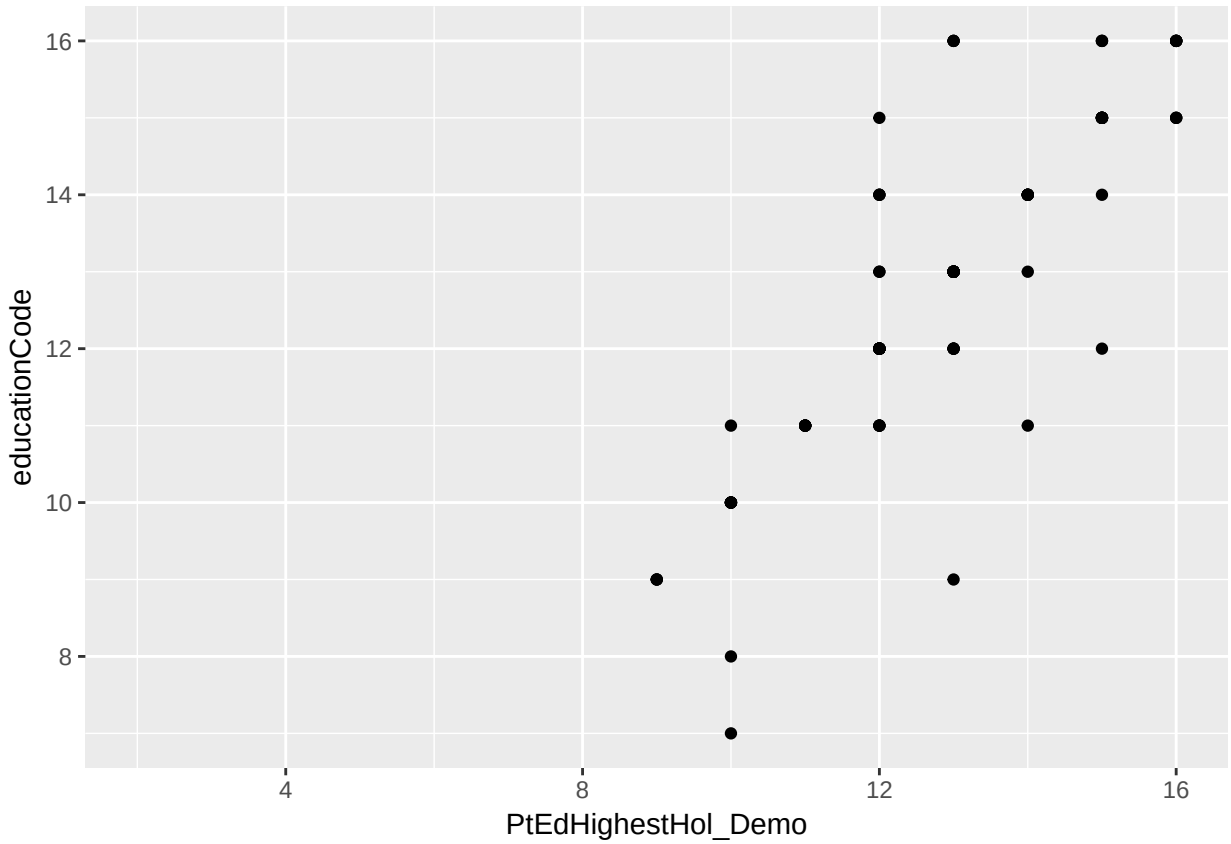
```
ggplot(ZHH_SZ, aes(x = PtEdYears_NI, y = educationCode)) + geom_point()
```

```
## Warning: Removed 14 rows containing missing values (geom_point).
```




```
ggplot(ZHH_SZ, aes(x = PtEdHighestHol_Demo, y = educationCode)) + geom_point()
```

```
## Warning: Removed 26 rows containing missing values (geom_point).
```




```
set.seed(14)
ZHH_SZ_subsampled <- qrySZ_Sess_Miklos %>%
  mutate(subid = str_c('EXP_',SessNo, '_SESS01')) %>%
  ungroup() %>%
  group_by(grid) %>%
  sample_n(1) %>%
  select(subid) %>%
  ungroup()
```

```
## Adding missing grouping variables: `grid`
```

```
to_drop <- ZHH_SZ %>%
  anti_join(ZHH_SZ_subsampled, by = "subid")

pheno_corrected1 <- pheno_corrected %>%
  anti_join(to_drop, by = "subid")
```

Now for SPINS

```
spins_demographics <- read_csv("/archive/data-2.0/SPINS/data/clinical/demographics.csv") %>%
  mutate(subid  = str_c(record_id, '_01'))
```

```
## Parsed with column specification:
## cols(
##   record_id = col_character(),
##   group = col_character(),
```

```
##   sex = col_integer(),
##   age = col_integer(),
##   education = col_integer(),
##   terminated = col_integer()
## )
```

```
spins_check <- inner_join(spins_demographics, qced_sublists, by = "subid")

spins_demographics$subid[1:5]
```

```
## [1] "SPN01_CMH_0001_01" "SPN01_CMH_0002_01" "SPN01_CMH_0003_01"
## [4] "SPN01_CMH_0004_01" "SPN01_CMH_0005_01"
```

```
spins_check %>%
  select(group, DX_GROUP) %>%
  ftable()
```

```
##               DX_GROUP  1  2
## group
## case_arm_2             40  0
## control_arm_1           0 27
```

```
spins_check %>%
  select(sex, sex.x, group) %>%
  ftable()
```

```
##           group case_arm_2 control_arm_1
## sex sex.x
## 1   1                   0             0
##     2                  14            14
## 2   1                  26            13
##     2                   0             0
```

Finally writting results from corrected version back to csv

```
names(pheno_corrected1)
```

```
##  [1] "X1"            "name"          "subid"         "DX_GROUP"
##  [5] "mean_fd"       "age"           "sex.x"         "educationCode"
##  [9] "site"          "sex.y"         "X.bad_fd"      "global_corr"
## [13] "mean_snfr"     "Site"          "DX"            "Sex"
## [17] "Edu"
```

```
pheno_corrected1 %>%
  select(subid, name, Site, DX, age, Sex, Edu, mean_fd, X.bad_fd, global_corr, mean_snfr) %>%
  write_csv('../phenotypic/subjects_not_sexmatched_20180507.csv')
```