

9/28

Student - ID	English - Sept	Math - Sept	English - Oct
10...	NA		
...			
...			
...			

check
file-var =
Prime Schl Tests

duplicate-counts

- ① read csv.
→ so many ways!
- ② pivot longer
- ③ same as .RDS

logic

```
main <- func() {
  read() → raw_data
  %>% "subject"; "math"
  tidy-up() %>%
  save_intermediate()
}
```

```
read <- func(data) {
  file-path <- here::here("...")
  data <- readr::read_csv(file-path)
  return(data)
}
```

OR

```
tidyup <- func(main-var, attribute1, attribute2) {
  tidy_data <- pivot_longer(data,
  )
  return(tidy_data)
}
```

```
save_intermediate <- func(data, file-var) {
  write_RDS? printO(...)
}
```

16

main()

O.W. count

specific program language.
may change with code update

20段 7-12.
mutate 2 1 2 11.

readme?

TYPE

余分なものはない
「蛇足」

Charlie	breakfast

Lucy

Snoopy

recovered
saving. even if
not used today.

```
main ← func() {
  raw-data ← read( folder = , file = )
  # (list of tibbles)
  Charlie-data ← organize( raw-data[["Charlie"]] )
  Sally-data ←
  :
  intermediate-data ← together( Charlie,
                                Sally,
                                :
                                )
  intermediate-data %>% count()
  gen-dup-df( ) %>%
  save-intermediate( )
}

read( ) {
  file-list ← list-files( )
  data-list ← map( file-list, read-xlsx :: read-xlsx )
  return( data-list )
}
```

rbind

combine both

list

count

col-name = "student-name"

organize ← fun(data, date-format) {

- ① add name
- ② organize data
intermediate:: → { tibble } のように

- ① read excel.
- ② check duplicates
- ③ check missing?
- ④ create name var ← 氏名 2-1
- ⑤ stack together.
- ⑥ **date format**

later?
f

7x-2-t
t? z

(date) breakfast name (name)

be ready for
elucidate.

1D 1-17 23 カラント

5 students

if-else?

1. 氏名 2. 正不正 check

```

main <- func() {
  raw_data <- read_raw(folder = "test_score")

  tidy_data <- raw_data %>%
    tidy_var_type() %>%
    tidy_shape(main_var = ,
               value_var = ,
               var_name = )
}

```

```

save_interim(tidy_data)
}

read_raw <- func(folder = ,
                 file = ) {
  here::here()
  paste0(
    data <- readr::
  )
}

```

```

tidy_shape <- func(value_new = ,
                  var_new = )

```

ID	Eng	Math

ID	Eng

ID	Math

ID	Eng	Math

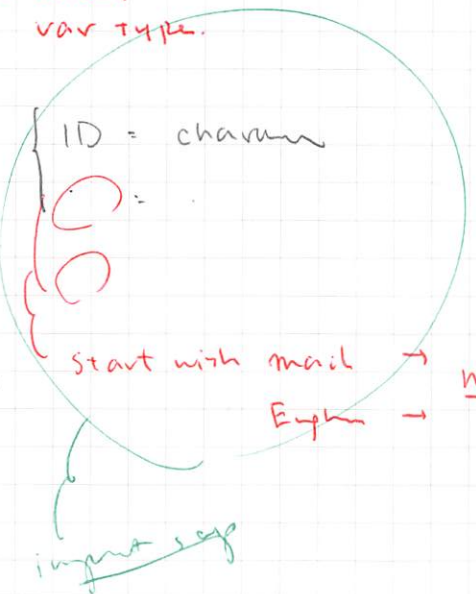
var1

assert?

intended var type.

- class(var1)
- ① check if numeric
 - ② if character, manually, change ""

or na.type



assert.
prop-assert

absent

.dummy

.stop if not

merge on 2

ID	mt	Eng	math

pivot-larger

ID	start	end

Jan - 01 - 1986
01 - 01 - 1986

→ not duplicates originally. duplicated ()

* gen-duplicate-count ← fun (data,
id1 = name
id2 =)

	date	dup-counts
	1986-01-01	

group-by (student, date) %>%
count (n()), , group = "dup"
mutate (. = count ())

{ corn flakes
Cornflakes
cereal

can do
this inside

distinct () ?

→ duplicates.

→ where to assert

→ 日本語にだけ 7-11,
何処に 7-11 がある...

→ pivot-larger
on 2 var

地理
日付

→ 誰にも
よく習性
7-11, 7-11 だけ 7-11...

- 7-11 だけ 7-11...

o how to check #

search anything

⇒ Ah

× 40747

Inbri date \rightarrow search ymd

86/09/1

↳ `date()` ... variable type
must specify when.

↳ move e.g.

```
format(myDate, '%m')
```

(b, B, ... short hand
B vs m?

y	Y
---	---

order (,)
⇒ 特定の

↳ updating occurs, but.

设计点为 2 处

日付、IT
 shape

↳ 2³ 8.1

Small testing cases:

- large colony

→ summer time

I

tibble -- (date)

parse 意味

↳ convert

UTC

· 地理的要素

→ 学生は、
新しく購入可へず
てはなにか

→ assert $\exists z \in \mathbb{Z} \exists \tau \in \mathbb{R}$ such that

reasonable goal?

{ stop if not
test that

Assent that()

(session.info() ?
or
sink

1 cover.

... very important for
company

Can this be done

prep-indiv-data ← function (data-list, name, date-format) not define globally.

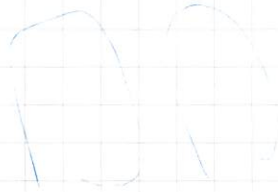
- ① get data.
- ② add name col.
- ③ parse date

data-input ← data-list[[name]].

data-output ← data-input %>%
dplyr::mutate (student = name) %>%

write (lubridate::parse_date_time (,

data[[1]]



1	.
2	.
3	.
4	.

for (i in 1:nrow(data)) {

1	.
2	.
3	.
4	.

student = name-list[i] ~ 4

if-else (student == 1, Chalix,
student == 2, "T",
student == 3, "T",
student == 4, "T")

- 问题

→ find 5 parts you don't understand what is the

Ctrl + Shift + m

record-n

	1
	2
	...
	...
	...

- long ... still tidy.

* Thu ...