

EXAM 1

Joey Gebin
SEC 01

WRANGLING

verb	action
arrange	arrange rows according to some column
filter	filter out or obtain a subset of the rows
select	select a subset of columns
mutate	mutate or create a column
summarize	calculate a numerical sum. of a column
group-by	group the rows by a specified column

DATES

Filtering: $=$, $!=$, $>$, $>=$, $<$, $<=$, $\%in\%$, $c(\dots)$

Selecting: $-$ (removes variable) +
 $starts_with("---")$, $ends_with("---")$,
or $contains("---")$

NEW Dates functions

$as.date()$

lubridate package

$year()$

$month()$

$week()$

$mday()$ = day of m.

$wday()$ = day of wk.


RESHAPING


Types of reshaped data:


- 1 aggregate data
group-by + summarize
- 2 raw data

JOINING

Most common mutating joins:

 $left_join()$ — keeps all observ. in left, discards non match

 $inner_join()$ — keeps only observ. with match in L + R

 $full_join()$ — keeps all observ. in L + R

$semi_join()$ + $anti_join$



FACTORS

• factors that change order

- $fct_relevel()$ — manually

- $fct_reorder()$ — acc. to another variable

- $fct_infreq()$ — high to low freq

- $fct_rev()$ — reverse current order

• factors that change labels

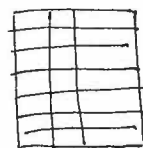
- fct_recode — manually

- fct_lump — group together least common

STRINGS

function	arguments
$str_replace$	x, pattern, replacement
$str_replace_all$	x, pattern, replacement
str_to_lower	x
str_sub	x, start, end
str_length	x
str_detect	x, pattern

★ $pivot_longer(data, cols, name_to = "name", values_to = "values")$



★ $pivot_wider(data, names_from = "names", values_from = "values")$

