Data manipulation with dplyr

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Tidyverse (from www.tidyverse.org)

R packages for data science

The tidyverse is an opinionated collection of R packages designed for data science. All packages share an underlying design philosophy, grammar, and data structures.

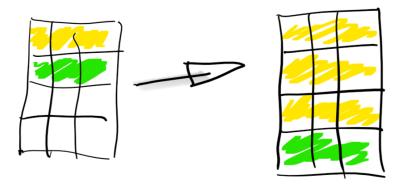


code as you speak

Data manipulation with dplyr is done using a limitted number of **verbes** corespunding to action to be applied to a table.

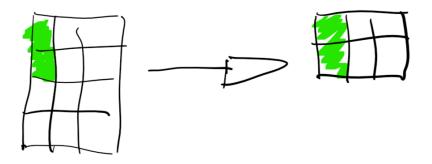
- ▶ slice
- ▶ filter
- arrange
- ▶ select
- mutate
- group_by
- summarize
- **•** . . .

select rows



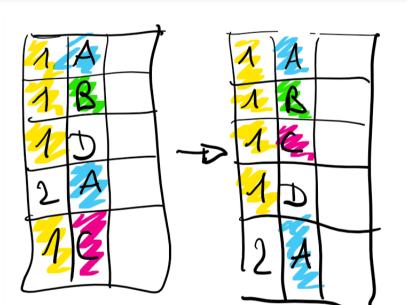
select columns

dat %>% filter(C1 == 'green')



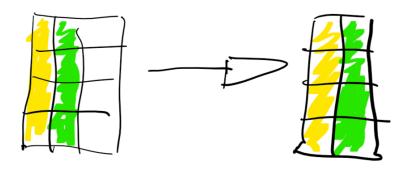
arrange rows

dat %>% arrange(C1, C2)

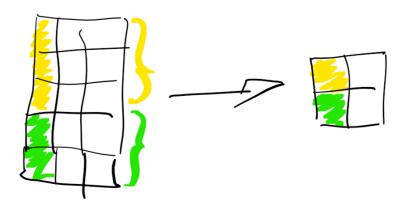


columns selection

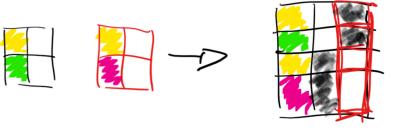
dat %>% select(C1, C2)



group and summarize data

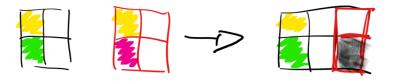


dat1 %>% bind_rows(dat2)



•

dat1 %>% left_join(dat2)



note: right_join will keep all rows of dat2

dat1 %>% inner_join(dat2)



dat1 %>% full_join(dat2)

